

18.10.2024

Hallo Freunde

Anbei mal wieder einige Infos über Bauteile und Baugruppen, die ich aus meinem privaten Fundus abgeben will („weiter gesund schrumpfen“ HI).

Einige Teile sind Prototypen, Ausstellungsstücke, Fertigungsmuster, Kellerfunde usw.

Viel Spaß beim Durchschauen.

**Die E-Mail bitte an Freunde weitergeben.**

Danke

Sweeper Steuereinschub für den HP 8620 / HP 8350 V-Band 50 – 75 GHz



Preis: 50 EURO

**HP182C Sichtgerät mit HP8755B Netzwerkanalysator und Storage- Normalizer nach DB1NV**  
**Sehr gute Bildröhre.** War zusammen mit dem HP8620C in Betrieb. Druckeranschluss.



Preis: Alles zusammen mit original Handbuch 100 EURO  
**Selbstabholer bevorzugt!**

**HP 11664A** Diodenkopf mit APC7 Stecker und SMA Adapter



Preis: 100 EURO

### **HP 11664A** Diodenkopf mit N-Stecker



Preis: 100 EURO

## Restbestände DB6NT mmWave Leiterplatten



Preis: Stück 15 EURO



## Teflon Leiterplatten Material mit beidseitigem Kupfer (Ultralam2000?)



Basis 0,762 mm '030  
2 x 35 µm Kupfer  
6 Stück 92 x 41 cm Platten

Basis 1,5 mm  
2 x 35 µm Kupfer  
1 Stück 92 x 41 cm Platte

| 0  |       | Beschriftung              | Material-Typ | Er    | TanD @ Frq   | Abmessungen       | Dicke               | Menge |
|----|-------|---------------------------|--------------|-------|--------------|-------------------|---------------------|-------|
| 4  | Arlon | 25 N 0620 CTTA            | 25N          | 3.38  | 0.0025 @ 10G | L 45,5 B 30 cm    | T = 1,578 mm        | 3     |
| 7  | Arlon | 522 B0301DC50 + - 002 (?) | DiClad 522   | 2.4-2 | 0.001 @ 1M   | L 40,5 B 17,8 cm  | T = 1,52B-0,46/1,02 | Test  |
| 8  | Arlon | 25 N 0310 CSSA            | 25N          | 3.38  | 0.0025 @ 10G | L 31,5 B 23,00 cm | T = 0,76 mm         | 5     |
| 9  | Arlon | 870 B 0105533             | DiClad 870   | 2.33  | 0.0013 @ 10G | L 46 B 23 cm      | T = 0,254 mm        | 16    |
| 12 | Arlon | 25 N 0201 CSSA            | 25N          | 3.38  | 0.0025 @ 10G | L 30,5 B 23 cm    | B = 0,508 mm        | 3     |
| 16 | Arlon | 933 B 0315533             | IsoClad 933  | 2.33  | 0.0016 @ 10G | L 46 B 30,5 cm    | T = 0,787mm         | 6     |
| 34 | Arlon | 870 B0 055533             | CuClad 870   |       |              | L46 B 30 cm       | T = 0,127 mm        | 1     |

|                |         |          |          |          |            |
|----------------|---------|----------|----------|----------|------------|
| ROGERS RO3010  | Er 10,2 | 0,64 mm  | 2 x 35 µ | 3 Platte | 30 x 23 cm |
| RT/duroid 6002 | Er 2,94 | 0.762 mm | 2 x 35 µ | 2 Platte | 15 x 15 cm |

## Foto positiv beschichtete Teflon Leiterplatten mit beidseits Kupfer

|                     |         |          |          |           |            |
|---------------------|---------|----------|----------|-----------|------------|
| ARLON 522 T621150   | Er 2.50 | 1,57 mm  |          | 1 Platte  | 45 x 41 cm |
| ARLON 870 B0 301133 | Er 2.33 | 0,76 mm  |          | 2 Platten | 45 x 41 cm |
| ARLON 870 B 0105533 | Er 2.33 | 0,254 mm |          | 1 Platte  | 45 x 30 cm |
| ARLON 25N0201 CSSA  | Er 3,38 | 0,508 mm |          | 2 Platte  | 30 x 23 cm |
| ARLON 25N0620 CTTA  | Er 3,38 | 1,578 mm |          | 1 Platte  | 45 x 30 cm |
| ARLON 933 B 0315533 | Er 2,33 | 0,787 mm |          | 1 Platte  | 45 x 30 cm |
| ROGERS RO3010       | Er 10,2 | 0,64 mm  | 2 x 17 µ | 1 Platte  | 30 x 23 cm |
| ROGERS RO6035       | Er 3,5  | 0,76 mm  | 2 x 35 µ | 1 Platte  | 30 x 23 cm |
| ROGERS RO6035       | Er 3,5  | 1,52 mm  | 2 x 35 µ | 1 Platte  | 30 x 23 cm |

## Optischer Frequenzmesser



Hersteller **Carl Zeiss Jena** 300 – 800 nm

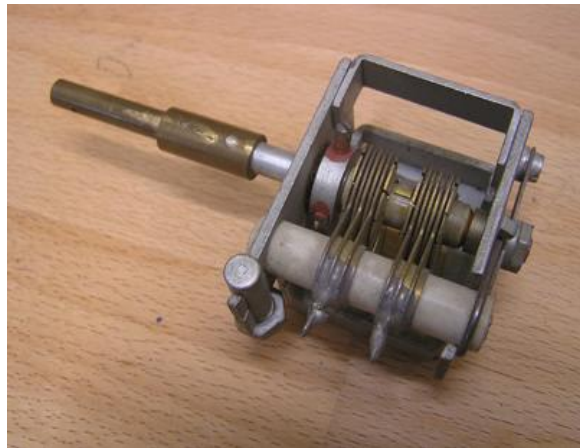


## Drehkondensatoren für KW PAs oder Tuner

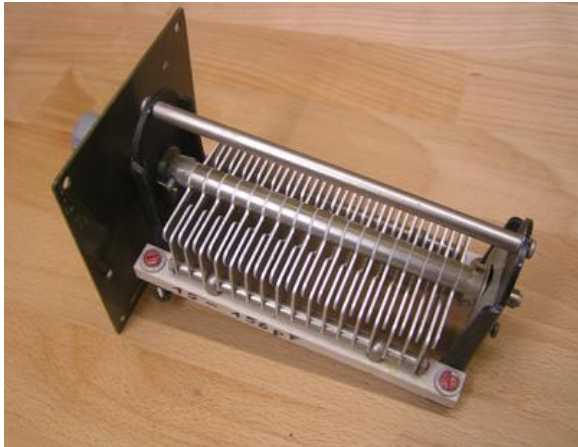
33 pF



16 pF



15-156 pF 15x6x8 cm



160 pF 15x5x7 cm

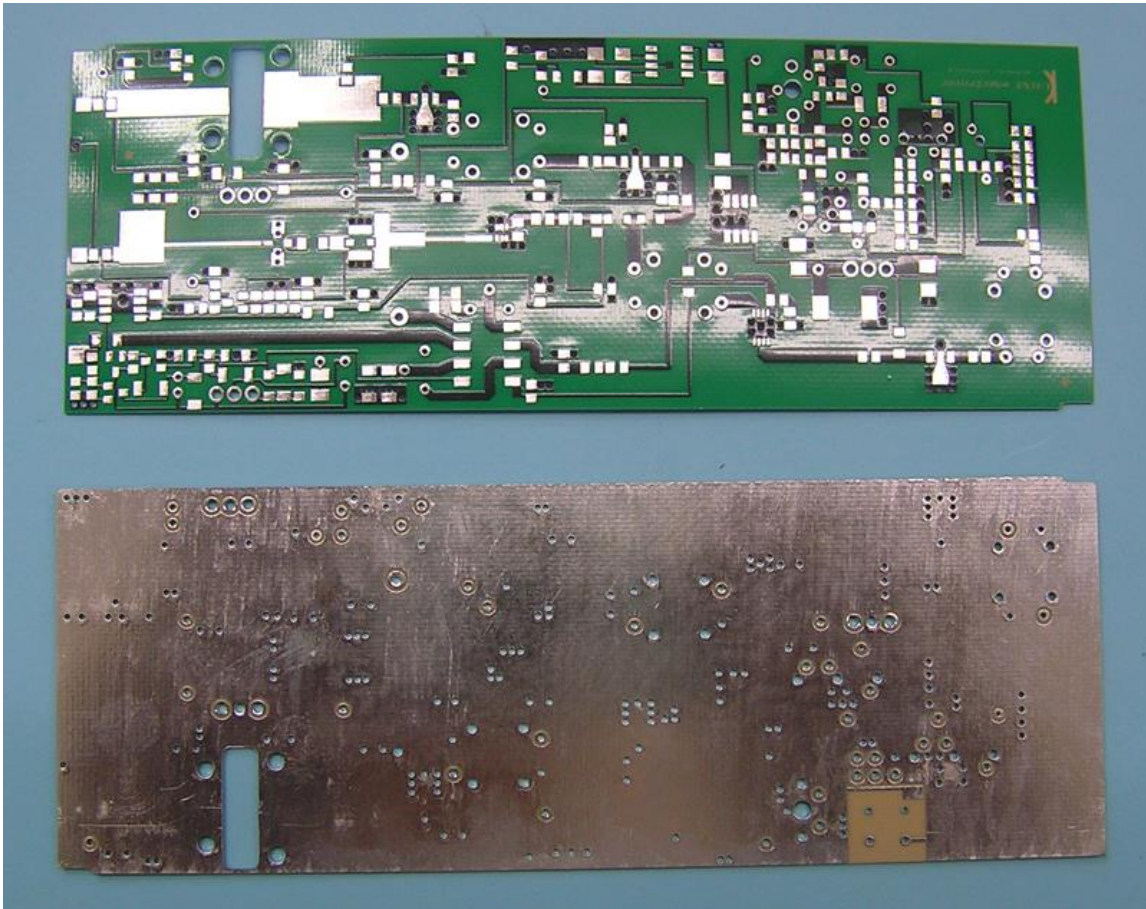


Kupfer- Rollspule. 47 $\mu$ H, 30x11x11 cm

**Was für richtige Männer!**

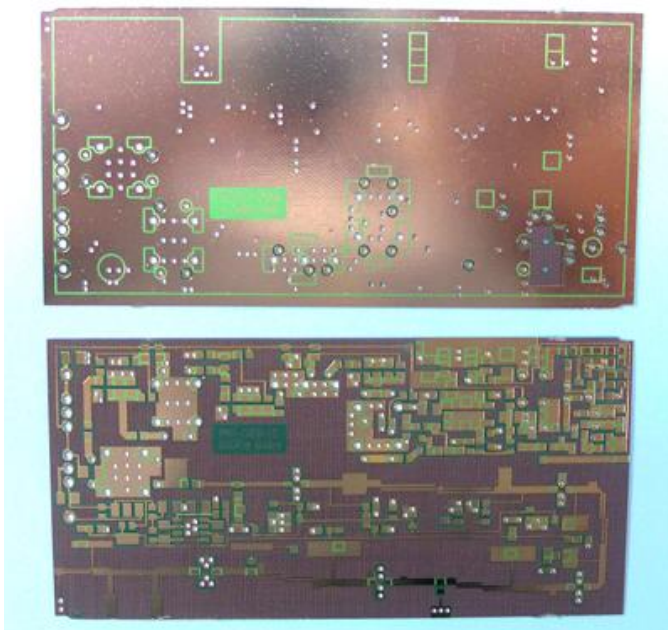


Leiterplatte **MKU 23G3**  
13cm Transverter  
Material RO4003



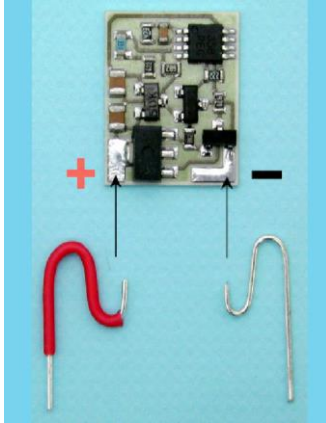
2 Stück zusammen 16 EURO

**10 GHz Bake.** Teflon Leiterplatte, vergoldet und Durchkontaktiert  
Unterlagen sende ich mit.



Preis: 15 EURO

### Quarzheizer **QH40A**



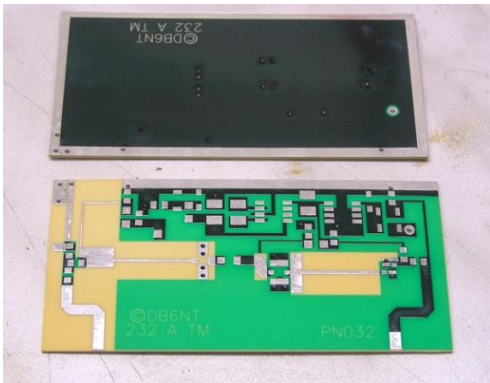
Preis: 14 EURO

Zwei Leiterplatten RO4003 für 13cm Vorverstärker

0,7 dB NF 30 dB Gain

Vorstufe NE32584A, Keramikfilter MDR641C und MGA86536

Die Leiterplatte ist vorzugsweise für die Schubert Mastgehäuse gedacht.



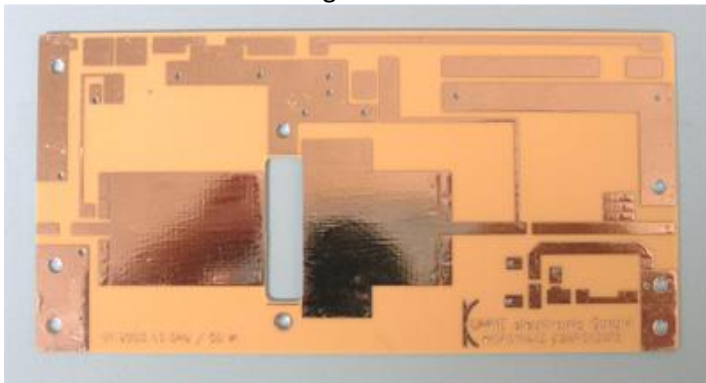
Zwei Leiterplatten zusammen mit zwei Filtern kosten 20 EURO + Porto

Unterlagen sende ich mit.

Leiterplatte **MKU PA 1360A** Leistungsverstärker

60 Watt 23cm PA für MRF9060

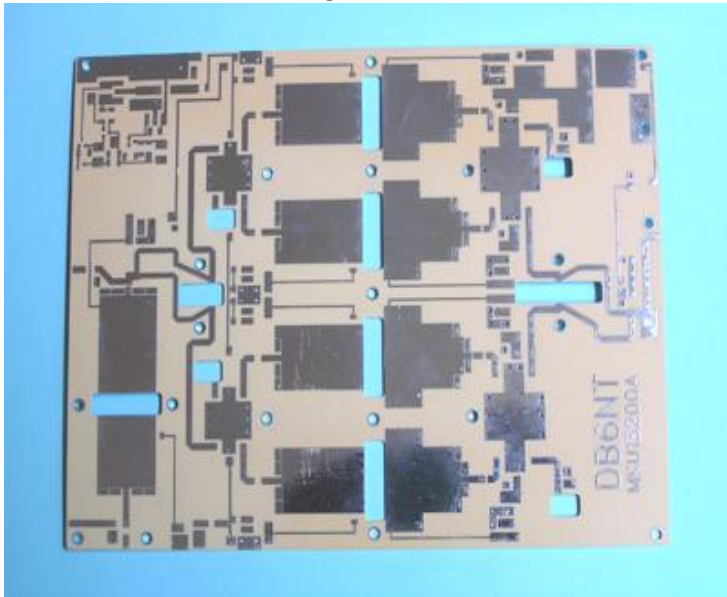
Material RO4003 Unterlagen vorhanden.



Preis pro Stück 12 EURO

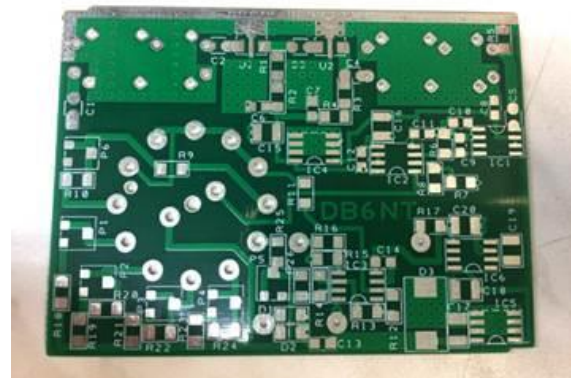


Leiterplatte **MKU PA 13200A/B** Leistungsverstärker  
 200 Watt 23cm PA für 4x MRF9060 (Treiber MRF9030)  
 Material RO4003 Unterlagen vorhanden.



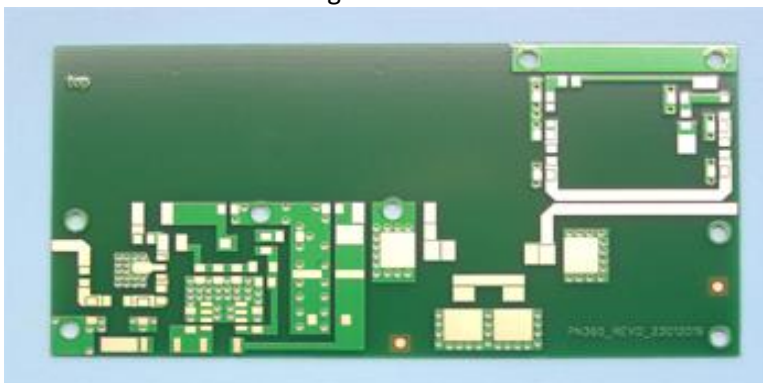
Preis pro Stück 20 EURO

Leiterplatte für das **DB6NT MOON NOISE METER**



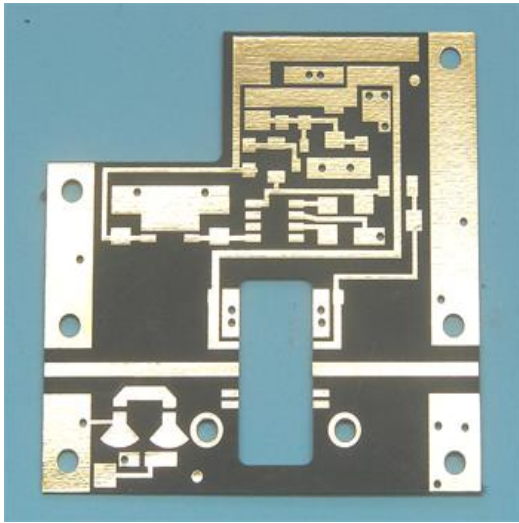
Preis: 10 EURO + Porto

Leiterplatte für 2m und 70 cm Mitsubishi Leistungsmodulen. Mit Tiefpassfilter und Richtkoppler für Vor- und Rücklauf. Unterlagen vorhanden.

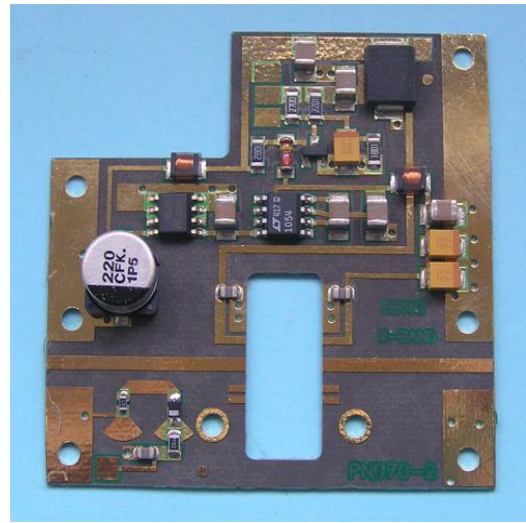


Preis: 10 EURO

10 GHz 2 Watt Leistungsverstärker. Teflon PCB für den Toshiba TMD1013-1. Unterlagen vorhanden.



Unbestückt Preis: 8 EURO



Bestückt Preis: 16 EURO

**mmWave Frequenzmesser 90 - 120 GHz ?**



Made in USSR.

Hohlleiter Innenmaß: 2,4 x 1,1 mm WR8? WR10?

Preis: 50 EURO



**Upconverter** 436 MHz in, 1268 MHz out. Output Power >1 Watt



Preis: 50 EURO

GaAs FET Chips. Singel Layer C's. Beam Lead Dioden.



Kostenlos auf Anfrage.



Ersatzteile für HP Step Attenuators HP33320H / 11 dB







Wenn jemand mal **einzelne Ersatzteile** wie Rohr, Scheiben, Saphir, Tronser oder Johanson Trimmer, Durchführungen, Trapezkondensatoren, Glimmerkondensatoren oder ähnliches sucht, bitte melden, der Fundus ist groß...

**2C39BA – 2C39A - YD1040 – 7289** alter Lagerbestand zum großen Teil ungebraucht



Kostenlos auf Anfrage.

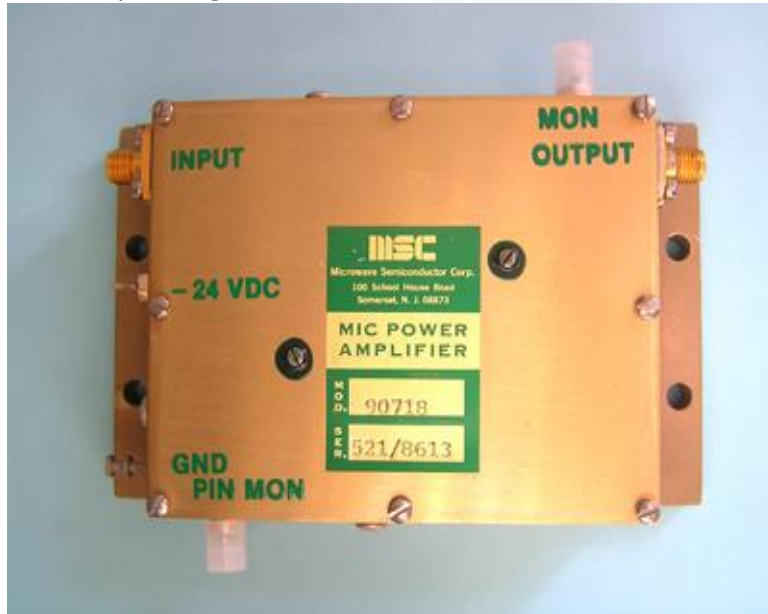
**2320 MHz (2,3 – 2,5 GHz) Leistungsverstärker**

**Neuwertig, alter Lagerbestand.**

P in 25 ... 50 mW

P out 3,5 Watt

Betriebsspannung: **minus 24V!**



Preis: 40 EURO



Div. Koaxiale Steckverbinder von SMC, SMA über BNC, N zu 7/16.  
Am besten vor Ort anschauen...

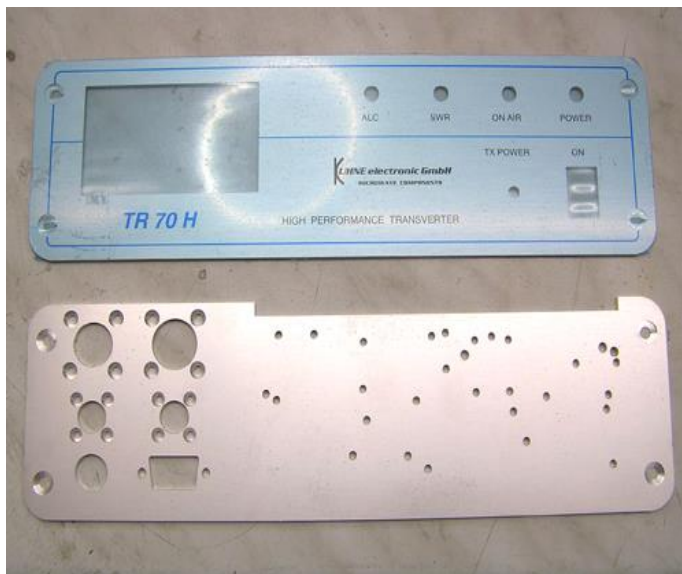




Eine Unmenge an verschiedenen DRO Resonatoren für Oszillatoren von 5...25 GHz (LNB's.)  
 Auch komplette Dopplermodule für 9,4 GHz  
 Bitte Anfragen



Frontplatten und Rückwände für die TR Transverter.



Preis 12 EURO das Stück



Div. PCB und Teile für TR144 +40 und 144 PRO. Bitte Anfragen.



YIG Oszillator Avantek AV-7104 1 – 2,2 GHz

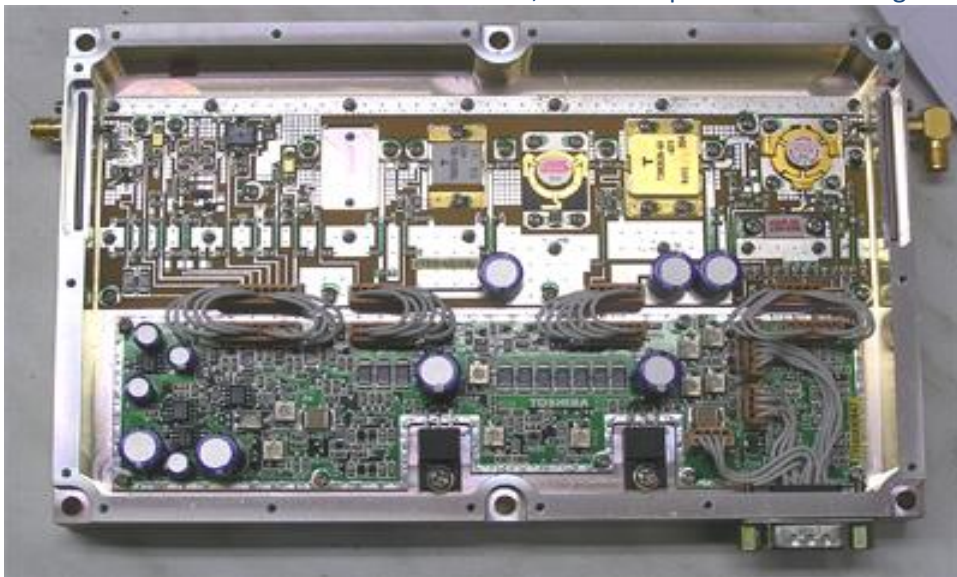
[https://www.datasheet.directory/pdfviewer?url=https%3A%2F%2Fdatasheet.iic.cc%2Fdatasheets-1%2Favago\\_technologies%2FAV-7104.pdf](https://www.datasheet.directory/pdfviewer?url=https%3A%2F%2Fdatasheet.iic.cc%2Fdatasheets-1%2Favago_technologies%2FAV-7104.pdf)



Preis: 30 EURO

3,4 GHz **60 Watt Toshiba PA**

Der 4 Watt Transistor TIM 3742-4L-341 fehlt, sonst komplett und neuwertig.

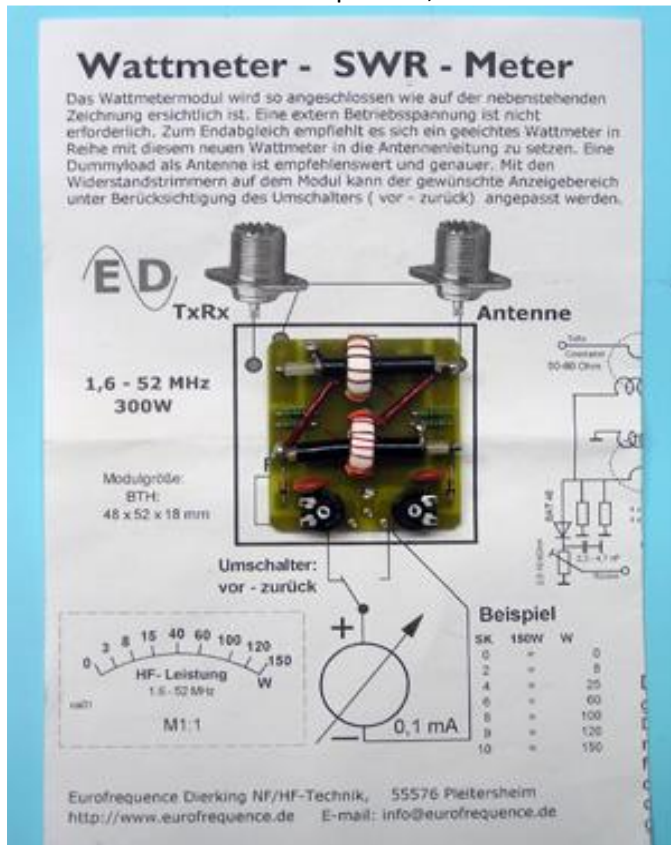


Preis: 65 EURO

Die Umbauanleitung vom Manfred:

<https://www.kl7uw.com/DL7YC-3400.pdf>

### 300 Watt SWR Meter Leiterplatte 1,6 -52 MHz

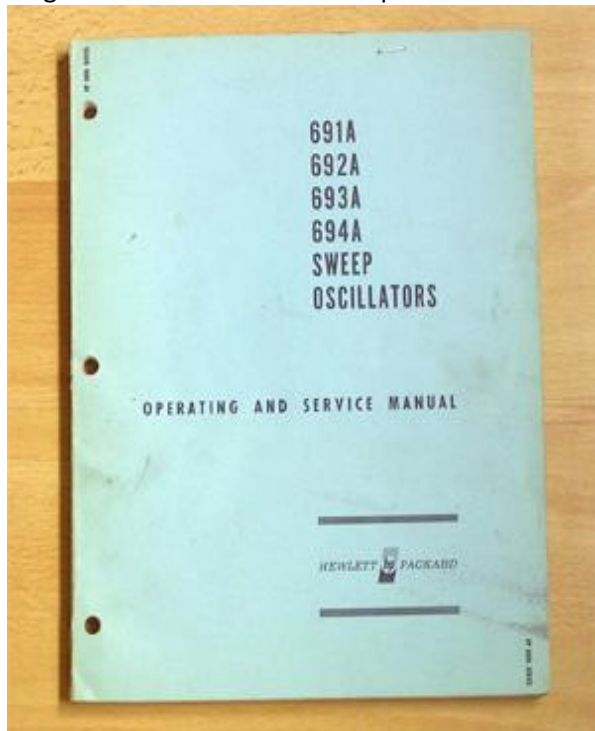


Preis: 20 EURO

### Diebstahl Funkmelder 27 MHz 4 Watt Bis 5 km Reichweite NEU



## Original Handbuch für HP Sweeper



## Glimmer Kondensatoren und Trimmer



Wenn jemand mal einzelne Ersatzteile sucht, bitte melden, der Fundus ist groß...



# **Quarze HC49 Serienresonanz Oberton 40°C**

|           |    |                       |
|-----------|----|-----------------------|
| 93,667    | 1  |                       |
| 96,0005   | 2  |                       |
| 97.3125   | 4  |                       |
| 101.750   | 1  |                       |
| 102,125   | 4  |                       |
| 104,3542  | 1  |                       |
| 105,750   | 2  |                       |
| 106,5005  | 2  |                       |
| 107,001   | 1  |                       |
| 107,0835  | 2  |                       |
| 107,1667  | 4  |                       |
| 107,3334  | 1  |                       |
| 108,0094  | 1  | 10 GHz Bake           |
| 108,0753  | 1  |                       |
| 110,000   | 3  |                       |
| 110,3340  | 5  |                       |
| 110,9792  | 1  |                       |
| 111,000   | 2  |                       |
| 111,4583  | 1  |                       |
| 113,4558  | 1  |                       |
| 115,2223  | 2  |                       |
| 115,2344  | 1  |                       |
| 116,9584  | 5  |                       |
| 118,0547  | 8  | 24 GHz RXD            |
| 118,7501  | 1  |                       |
| 119,2442  | 10 |                       |
| 119,3848  | 7  | 76 GHz Bake           |
| 119,7617  | 1  |                       |
| 119,7917  | 1  |                       |
| 119,917   | 1  |                       |
| 120.000   | 3  |                       |
| 120,001   | 1  |                       |
| 120,7780  | 2  |                       |
| 120,889   | 1  |                       |
| 121,500   | 1  |                       |
| 121,875   | 1  |                       |
| 122,250   | 3  | 47 GHz mit 144 MHz ZF |
| 122,251   | 1  | 47 GHz mit 144 MHz ZF |
| 122,839   | 1  |                       |
| 123,000   | 3  | 24 GHz mit 432 MHz ZF |
| 124,8421  | 1  |                       |
| 124,48958 | 2  |                       |
| 124,500   | 1  | 24 GHz mit 144 MHz ZF |
| 126,6667  | 1  |                       |
| 130,5556  | 2  |                       |
| 131,7778  | 1  |                       |
| 133,3334  | 1  |                       |
| 138,667   | 8  |                       |
| 139,000   | 1  |                       |
| 141,3264  | 1  |                       |
| 173,7020  | 1  |                       |

### 20°C Gebraucht

|         |   |
|---------|---|
| 93,667  | 1 |
| 97,000  | 1 |
| 105,667 | 1 |
| 109,334 | 1 |
| 110,334 |   |
| 116,000 | 2 |

### Thermostaten Quarze 60°C

Kleines Gehäuse für DF9LN und G8ACE OXOs  
Serienresonanz Oberton AT-Schnitt

|              |   |                  |
|--------------|---|------------------|
| 96,000 MHz   | 1 | gebr.            |
| 98,625 MHz   | 9 |                  |
| 117,000 MHz  | 1 |                  |
| 118,9595 MHz | 1 |                  |
| 119,000 MHz  | 1 |                  |
| 120,8889 MHz | 1 |                  |
| 125,250 MHz  | 6 | teils gebraucht. |
| 125,875 MHz  | 1 |                  |
| 125,925 MHz  | 3 |                  |

TCXO 10 116,000 MHz AXTAL 0,5ppm 5V 20 mA Sinus (TR144PRO)  
<https://www.axtal.com/cms/docs/doc85927.pdf>



a. 20 EURO

### 3 Quarze für 241 GHz CW TX



40° Grad Thermostaten Quarz HC18U 118,1251 MHz

Original Verpackt. Preis: alle 3 zusammen 20 Euro

## VCO

|                    |    |                                     |
|--------------------|----|-------------------------------------|
| SMV3300A           | 20 | 3,2- 3,4 GHz 0,5 – 4,5 V tune 5 dBm |
| CVCO33CL-0125-0200 | 1  | 125 – 200 MHz 5 V 5 dBm             |
| ROS-148-119+       | 1  |                                     |
| ROS-205PV          | 4  |                                     |
| ROS-520+           | 2  |                                     |
| ROS-660PV+         | 1  |                                     |
| ROS-800C-119+      | 2  |                                     |
| ROS-928C-119+      | 2  |                                     |
| ROS-1250W-119+     | 2  |                                     |
| ROS-1435PV         | 8  |                                     |
| ROS-2180-419+      | 9  |                                     |
| ROS-2252+          | 1  |                                     |
| ROS-2299-119+      | 1  |                                     |
| ROS-2625-119+      | 3  |                                     |
| ROS-2660-319+      | 13 |                                     |
| ROS-3550+          | 2  |                                     |
| ROS-3860+          | 2  |                                     |
| ROS-4100-119+      | 2  |                                     |
| ROS-5150-119+      | 2  |                                     |

## PLL IC Syn. USW.

|           |     |
|-----------|-----|
| LMX2326TM | 50  |
| LMX2306TM | 300 |

|                      |    |
|----------------------|----|
| ADF4001BRUZ-ND       | 5  |
| ADF4108BCPZ-ND       | 10 |
| ADF4360-5BCPZ        | 4  |
| ADF4360-6BCPZ        | 16 |
| ADF4360-8BCPZL7CT-ND | 2  |

## Helixfilter

### Temwell Stück 8 EURO

|                |    |                 |
|----------------|----|-----------------|
| TT6762B-225.6M | 70 | 3 Kreis 220 MHz |
|----------------|----|-----------------|



|              |   |
|--------------|---|
| K2RB-650-20M | 3 |
|--------------|---|



### Helixfilter

#### TOKO Stück 8 EURO

|            |              |
|------------|--------------|
| 256MX1546A | 6            |
| 252MX1544  | (4) Verkauft |
| 367MN-108A | 100          |



|                     |        |
|---------------------|--------|
| 367MN-109A 1152 MHz | 6      |
| 5HW-47535A-500      | 7      |
| 5HW-88560A-914      | 22     |
| 5HW-100090A-1010    | 6      |
| TD67283A-200M       | ca. 20 |
| 5CHW-492S-1056A     | 4 SMD  |
| 5CHW-492S-1057A     | 4 SMD  |

### Helixfilter

#### NEOSID Stück 8 EURO

|               |                                           |
|---------------|-------------------------------------------|
| 25252 144 MHz | 3                                         |
| 1051 MHz      | 6                                         |
| 1396 MHz      | 3                                         |
| 1520 MHz      | 24                                        |
| 1625 MHz      | 8                                         |
| 2000 MHz      | 50                                        |
| 2175 MHz      | 5                                         |
| 2450 MHz      | 50 2,3 GHz TR, 10GHz TR, 10 GHz Bake usw. |

### Keramik LTCC Filter

#### Stück 5 EURO

|               |     |                                           |                       |
|---------------|-----|-------------------------------------------|-----------------------|
| MDR 641C      | 17  | Bandpass Filter 2320 -2450 MHz            | <b>MKU 23G3/ 10G3</b> |
| BFCN-1575+    | 1   | LTCC Bandpass Filter 1530-1620 MHz        |                       |
| HFCN-3500+    | 10  | High Pass Filter 3900 to 9800 MHz         |                       |
| LFCN-2250+    | >50 | Low Pass Filter DC to 2200 MHz            |                       |
| LFCN-3000+    | >50 | LTCC Low Pass Filter, DC - 3000 MHz, 50Ω  |                       |
| LFCN-3800+    | 12  | LTCC Low Pass Filter, DC to 3900 MHz, 50R |                       |
| LFCN-4400+    | 15  | LTCC Low Pass Filter, DC - 4400 MHz, 50Ω  |                       |
| LFCN-8440+    | 5   | LTCC Low Pass Filter, DC - 8440 MHz, 50R  |                       |
| 5515BP15B725S | >50 | LTCC 5.5 GHz Band Pass Filter             |                       |

## HF-Leistungstransistoren LDMOS

|                 |       |                                    |
|-----------------|-------|------------------------------------|
| BLF245B         | 1     |                                    |
| BLF574          | 1     |                                    |
| BLF574XR        | 4     |                                    |
| BLF647P         | 3     | HF to 1500 MHz 200 Watt            |
| BLF888          | 3     |                                    |
| BLF2425M8L200   | 6     |                                    |
| BLF6G10LS-135RN | 2     | 700 MHz to 1000 MHz. 135 Watt      |
| BLF6G38-11      | 1     | 3400 MHz 100 Watt                  |
| BLF10H6600P     | 10    |                                    |
| BLL6H1214-250   | 1     |                                    |
| BLP8G27-5Z      | 9     | 700 MHz to 2700 MHz 5 Watt         |
| BLP8G27-10      | 5     | 700 MHz to 2700 MHz 10 Watt        |
| BLS6G2735LS-30  | 3     | 3,1GHz bis 3,5GHz 13dB 30W         |
| BLS7G2933S-150  | 2(3)  | 2,9-3,3 GHz 150 Watt               |
| D2220UK         | 3     | SemeLab 5W-12.5V-1GHz              |
| UGF9060F        | 1     |                                    |
| UPF1080P5       | 9     |                                    |
| MHV5IC1810N     | 4     | MMIC 1805--1990 MHz, 5 W           |
| MHV5IC2215NR2   | 1     | 2170 MHz, 23 dBm, 28 V             |
| MHT1002N        | 3     | 915 MHz, 350 W CW, 48 V            |
| MRF1513T1       | 1     | 520 MHz, 3 W, 12.5 V               |
| MRF175GU        | (2)   |                                    |
| MRF6P3300H      | 2     | 470-860 MHz, 300 W, 32 V           |
| MRFE6VP100H     | 4     |                                    |
| MRFE6VP6300HR5  | 3(4)  | 1.8--600 MHz, 300 W, 50 V          |
| MRF6V2010NR1    | 4     | 10-450 MHz 10 Watt                 |
| MRFE6VS25LR5    | 2     | 1.8--2000 MHz, 25 W, 50 V          |
| MRF6V2150NBR1   | 1     | 1.8--500 MHz, 150 W, 50 V (DF0HOF) |
| MRF6VP2600H     | 1     |                                    |
| (MRFE6VP5600H   | 2)    | not for sale                       |
| MRF7S18125BHR5  | 1     | 1930-1990 MHz, 125 W CW, 28 V      |
| MRF7S38010HR5   | 5     | 3400-3600 MHz, 10 W                |
| MRF7S38040HR3   | 3     | 3400-3600 MHz, 40 W AVG., 30 V     |
| MRF7S38075HR3   | 4     | 3400-3600 MHz, 75 W AVG., 30 V     |
| MRFX1K80H       | 2     | +Demo Board A18-0496               |
| MRF9135LR5      | 1     | 880 MHz 25 Watt                    |
| MRF9200LR5      | 1     |                                    |
| MRF2150NBR1     | 2     |                                    |
| MRF21120T       | 20    | Verzinnte Lötversion SRFT21120T    |
| PRFE6VP100HS    | 5     | 1.8-2000 MHz, 100 W, 50 V.         |
| MWE6IC9100NB    | 12    | 960 MHz, 100 W, 26 V.              |
| MHT1006NT1      | 7     | 728--2700 MHz, 10 W CW, 28 V       |
| D5029UK-PDE     | 2 (2) |                                    |
| PTF 081301E     | 1     |                                    |
| PTF 080901E     | (1)   |                                    |
| PTF 082001E     | 1     | 860-900 MHz 200 Watt               |
| PTVA101K02EV V1 | 1     | 1000 W, 50 V, 1030 / 1090 MHz Puls |

|                |    |                                    |
|----------------|----|------------------------------------|
| PD55003        | 7  | 500 MHz 3 Watt TR432 Treiber       |
| SQ701          | 4  | Polyfet 500 MHz 45 Watt            |
| RD00HHS1       | 10 | 0.3W, Gp>19dB @Vdd=12.5V,f=30MHz   |
| RD01MUS1       | 6  | 0.8W, Gp>14dB @Vdd=7.2V,f=520MHz   |
| RD05MMP1       | 2  | 5,5 Watt Gp 9 dB 941 MHz 7,2V      |
| RD06HHF1       | 4  | 6W, Gp>16dB @Vdd=12.5V,f=30MHz     |
| GaN            |    |                                    |
| RF3931         | 1  | 30 Watt 3 GHz                      |
| RF3932         | 1  | 60 Watt 3,5 GHz                    |
| RF3933         | 6  | 90 Watt 3 GHz                      |
| RF3934         | 2  | 13dB gain/2 GHz 140 W P/3dB 28-48V |
| CHK080A-SRA/26 | 3  | 80 Watt up to 3,5 GHz              |
| RF2126         | 1  | 1 Watt 2,4 GHz MMIC                |

#### Koppler + Zirkulatoren/Isolatoren + Load+ Filter

|                    |      |                                             |
|--------------------|------|---------------------------------------------|
| BD0810J50100AHF    | 6    | Balun 50 – 100R 800-1000 MHz 0805           |
| BD0810J50200AHF    | 8    | Balun 50 – 200R 800-2000 MHz 0805           |
| DC0710J5010AHF     | 6    | Richtkoppler 10 dB 700 – 1000 MHz 0805      |
| HC1700A03          | 10   | 90° 690 – 2700 MHz 50 Watt                  |
| XC0900E-03         | 5    | 90° 800MHz bis 1GHz 80W                     |
| XC1900A-20         | 6    | 20 dB Directional Coupler 1700 – 2000 MHz   |
| XC2100B-03S        | 30   | 90°                                         |
| XEC24P3-30G        | 25   | 30 dB Directional Coupler 2,4GHz bis 2,5GHz |
| IPP-7007RT         | 8    | 90° 1700-2700 MHz 200W                      |
| IPP-7017           | 10   | 90° 500-2500 MHz 100W                       |
| RCP1900W03         | 5    | 90° 800-3000 MHz 100W                       |
| S03A2500N1         | 40   | 90° 2 – 3 GHz 100W                          |
| S03B1500N2         | 1    | 90° 1400-1600 MHz 200W                      |
| S03B1960N3         | 10   | 90° 1.93 to 1.99 300W                       |
| S03B2150N3T        | 15   | 90° 2-2,3 GHz 300W                          |
| S03E2500N1         | 5    | 90° 2 – 3 GHz 100 Watt                      |
| X3C07F1-03S        | 10   | 90° 600-900 MHz 25W                         |
| 1A1306-3           | 15   | 90° 1,8 – 2,7 GHz 60W                       |
| 1D0263-3           | 1    | 90° 300 – 550 MHz 200W                      |
| 1Z0280-3           | 1    | 90° 100 – 160 MHz 700W                      |
| 11303-3            | 3    | 90° 380 – 520 MHz 125W                      |
| 11304-3S           | 1    |                                             |
| 121-231-90-200-210 | 1    | 90° 0.12 – 0.23 GHz 200W                    |
| QCN-5D+            | 20 ? | 2 Way-90° 50Ω 330 to 580 MHz                |
| QCN-7+             | 20   | LTCC 90° Hybrid, 425 - 675 MHz, 50Ω         |
| QCN-12+            | 20   | 2 Way-90° 50Ω 800 to 1375 MHz               |
| TCP-2-25+          | 25   | 0° 200 MHz to 2500 MHz Splitter             |
| TCP-2-33+          | 25   | 2 Way-0° 50Ω 1000 to 3000 MHz               |



|                                             |      |                                           |
|---------------------------------------------|------|-------------------------------------------|
| TX1-1+                                      | 35   | Trafo 1:1 50R 0.3 to 400 MHz              |
| SCA-4-10+                                   | 10   | 4 Way-0° 50Ω 5 to 1000 MHz                |
| SCP-5-1+                                    | 3    |                                           |
| SCN-2-27+                                   | 6    | 2 Way-0° 50Ω 2225 to 2700 MHz             |
| RPQ-1440                                    | 10   |                                           |
| T-622-KK81+                                 | 10   | RF-Trafo 0.1 to 200 MHz 1:1:1             |
| CE0731R96DCB                                | >100 | mmRata SMD Isolator 960 MHz?              |
| ADC290CE                                    | 1    | 150 W Circulator 2.700~3.100              |
| ADI380CEA2                                  | 4    | 100 W Isolator 3400 - 4200 MHz            |
| ADI089ABFA2                                 | 10   | 100 W Isolator 850 - 940 MHz              |
| ADI089BFA2                                  | 9    | 100 W Isolator 850 - 940 MHz              |
| ADI190BFA2                                  | 10   | 100 W Isolator 1800 - 2000 MHz            |
| ADI190ACEA2                                 | 10   | 100 W Isolator 1800 - 2000 MHz            |
| ADI190ABFA2                                 | 4    | 100 W Isolator 1800 - 2000 MHz            |
| ADI190CEA2                                  | 7    | 100 W Isolator 1800 - 2000 MHz            |
| ADI250ACEA2                                 | 38   | 100 W Isolator 2300 - 2700 MHz            |
| ADI290C EA3                                 | 1    | 100 W Isolator 2700 - 3100 MHz            |
| BTC0240-L                                   | 5    | Circulator 2450 MHz 200W ? Star microwave |
| NOVA 1070CED                                | 2    | 30W 9.700-11.700 GHz                      |
| FC3536                                      | >30  | Circulator 3,5 GHz (Toshiba PA)           |
| FI3536                                      | >30  | Isolator 3,5 GHz (Toshiba PA)             |
| 12 GHz (10 GHz) Circulatoren zu verschenken |      |                                           |



#### HF-Widerstände / Load

|                 |     |                 |         |              |
|-----------------|-----|-----------------|---------|--------------|
| RFP-10-100RV-S  | 17  |                 |         |              |
| RFP-40-50TT     | 8   |                 |         |              |
| RFP-40-100RE    | 9   |                 |         |              |
| RFP-100-100RH   | 13  |                 |         |              |
| RFP-800-50T-S   | 3   | 800 Watt 50 Ohm | 500 MHz | not for sale |
| FR10515N0100JBK | 12  | 100R 60W        |         |              |
| 32A1209F        | 6   | 500W 2,5 GHz    |         |              |
| KDI             | >50 | 200 Watt 1 GHz  |         |              |

## Chips zum bonden, MMIC, Dioden, GaAs FET

|                 |          |      |                  |              |                                 |
|-----------------|----------|------|------------------|--------------|---------------------------------|
| AA022P1-65      | ALPHA AI | 4    | 1gebr.           |              | 24 GHz PA Gehäuse               |
| AUH317          |          | 8    |                  |              |                                 |
| ABH209          |          | 3    | im QRL           | not for sale | 55 - 65 GHz 40 mW               |
| APH328          |          | >100 |                  |              | 24 GHz PA 0,6W                  |
| ALH386 TRW      |          | 7    |                  |              |                                 |
| APH565 A1       | Velocium | 4    |                  |              |                                 |
| HMC AUH318      |          | 6    |                  |              | 76 GHz PA 50 mW 24 dB           |
| HMC XTB110      |          | 8    |                  |              | 25 x3 75 GHz                    |
| CHR3693-QDG     |          | 1    |                  |              | 24 GHz downconv.                |
| CHA2094b 99F/00 |          | 92   | dc6uw            |              | 40 GHz 3NF 21 Gain              |
| CHA2157-99F/00  |          | 11   | im QRL           | not for sale | 55 – 60 GHz NF 3.5 dB           |
| CHA2194-99F/00  |          | 2    | im QRL           | not for sale | 36-44GHz NF 3 dB                |
| CHX2095A-99F/9  |          | 4    | im QRL           | not for sale | 7.5-30GHz Frequency Multiplier  |
| CHX2192         |          | 1    |                  |              | 30 GHz x 2 = 60 GHz             |
| CHU3277         |          | 6    |                  |              | 38 GHz x 2 =76GHz 60mW          |
| CHX2092A-99     |          | 5    |                  |              | 10 x4 40GHz 12 mW               |
| CHX2091         |          | 3    |                  |              | 20 x2 40 GHz 12 mW              |
| EG1116          |          | >100 |                  |              | 24 GHz PA                       |
| MDB278-A        | Velocium | 12   |                  |              |                                 |
| TGA9070-SCC     |          | 2    |                  |              | 24 GHz 1 Watt                   |
| TGA4046         |          | (2)  | im QRL           | not for sale | 41 - 46 GHz, 2 Watt             |
| TGA4501         |          | 2    |                  |              | 24 GHz 3 Watt                   |
| TGA4905-CP      |          | (3)  | schlechte im QRL | not for sale | 25-31 GHz 4W                    |
| TGA4705-FC      |          | (2)  | im QRL           | not for sale | 72 to 80 GHz 23 dB Gain NF 5 dB |
| XS1000QK        | MIMIX    | 2    |                  |              |                                 |
| XA1000QH        | MA COM   | 1    |                  |              | 0-18 GHZ ATT                    |
| XR1004 MIMIX    |          | 8    |                  |              | 30-47 GHz Downcon.              |

## GaAs Transistoren

|              |        |    |  |  |                  |
|--------------|--------|----|--|--|------------------|
| ATF-33143    |        | 54 |  |  |                  |
| ATF-50189    |        | 10 |  |  |                  |
| ATF-52189    |        | 10 |  |  |                  |
| EIC1415-2    |        | 2  |  |  |                  |
| EIC1415-4    |        | 2  |  |  |                  |
| EID1415-12   |        | 2  |  |  |                  |
| EID1415-8    |        | 1  |  |  |                  |
| LP1500 P100  | Litton | 4  |  |  | 1Watt 10 GHz FET |
| FMC2223P1-02 |        | 4  |  |  |                  |

|                  |       |                                               |
|------------------|-------|-----------------------------------------------|
| FMC2122P1-02     | 3     |                                               |
| FSU02LG          | 3     |                                               |
| FSCIX            | 50    | Chip                                          |
| FSX52X           | 223   | Chip                                          |
| FMC3485 P-01     | 6     | PA MMIC                                       |
| TMD0305-2        |       | Broadband PA                                  |
| FLM3742-8C       | 10    | P1dB=33.0dBm at 3.4GHz to 5.1GHz 22 dB Gain   |
| FLM4450-4B       | (1)   |                                               |
| FLM4450-8B       | (1)   |                                               |
| FLM6472-18DA     | 14    |                                               |
| FLM7785-8F       | (1)   |                                               |
| FLM1011-8C       | (1)   | not for sale                                  |
| FLU35            | 180   |                                               |
| FLX52            | 1     |                                               |
| FLC053           | 1     |                                               |
| FLC081XP         | 166   | Chip                                          |
| FLC253-6         | 1     |                                               |
| FLR016XV         | 200   |                                               |
| FLL100MK         | 1     | 10 Watt 2,3 GHz                               |
| FLL101ME         | 21    | 1 Watt 2,3 GHz                                |
| FLL171ME         | 1     | 2 Watt 2,3 GHz                                |
| FLL300IP-2       | 1     |                                               |
| FLL810IQ-3       | 6 (5) |                                               |
| FHX06            | 2     |                                               |
| FP2189           | 10    | FET 50 – 4000 MHz 1Watt                       |
| P0120009P        | 5     | Watt 2,7 GHz SOT-89 SETI                      |
|                  |       |                                               |
| TIM0910-8        | 1     | zu hoher Ruhestrom not for sale               |
| TIM1213-8L       | 6     |                                               |
| TIM3742-8SL      | 31    |                                               |
| TIM3742-30SL-341 | 3     |                                               |
| TIM3536-60       | 6     |                                               |
| TPM2626-60       | 1 (3) |                                               |
| TPM2626-30       | (1)   |                                               |
| TMD0608-4        | 2     | P1dB=36.0dBm at 5.65GHz to 8.50GHz 28 dB gain |
|                  |       |                                               |
| CLY2             | 11    |                                               |
| CFY15-23B        | 5?    |                                               |
| CFY25-20         | 2     |                                               |
| CFY30            | 2     |                                               |
| CFY35-23         | 4     |                                               |
| CFY75-15         | 3     |                                               |
| CFY77-08         | 5     |                                               |
|                  |       |                                               |
| CGY50            | 2     |                                               |
| CGY120           | 10    |                                               |
| CGY195           | 10    |                                               |
| MGF0911A         | 3     |                                               |
| MGF0912A         | 1     |                                               |
| MGF0918          | 10    |                                               |
| MGF0951P         | 3     |                                               |



|                 |         |                                     |
|-----------------|---------|-------------------------------------|
| MGF0952P        | 3       |                                     |
| MGF1302         | 30      | a. 5 EURO                           |
| MGF1303B65      | 7       |                                     |
| MGF1902         | 30      | a. 5 EURO                           |
| MGF1954A-01     | 1000    |                                     |
| MGF1961A-01     | 148     |                                     |
| MGF1964A        | 107     |                                     |
| MGF2323-30      | 1       |                                     |
| MGF2415         | (1)     |                                     |
| MGF2626-60      | 2 (3)   |                                     |
| MGF4916         | 100?    |                                     |
| MGF4918D        | 15      |                                     |
| MGF4919         | 100?    |                                     |
| MGF4326D        | 2       |                                     |
| MGF4951         | 100?    |                                     |
| MGF4953B        | 10      |                                     |
| MGF4961B-01     | 3       |                                     |
| MGF7201A        | 10      |                                     |
| MGFS45V2325A    | 1       |                                     |
| NE9001          | 7       |                                     |
| NE71083         | 1       |                                     |
| NE24400         | 20 Chip |                                     |
| NE350184C       |         |                                     |
| NE3514S02       | 5       |                                     |
| NE3520S03       | 30      |                                     |
| NE32485C        |         |                                     |
| NE322S01        | 100     |                                     |
| NE326           | 1       |                                     |
| NE650103M       | 2       | 10 Watt 2,3 GHz                     |
| NE69489         | 2       |                                     |
| NES1818-20B     | (4)     | 1,8 GHz 20 Watt                     |
| NEZ6472-4B      | 1       |                                     |
| MGFK30V4045     | 20      | 1 Watt 14-14,5 GHz                  |
| MGFK35V4045     | 18      | 4 Watt 14-14,5 GHz                  |
| MGFK37V4045     | 17      | 5,5 Watt 14-14,5 GHz                |
| MGFC42V3436     | (1)     |                                     |
| MGFC45V3436A-01 | 6       | P1dB = 32W (TYP.) @ f=3.4 - 3.6 GHz |
| MGFC39V6472A-61 | 2       |                                     |
| MGFS45V2735-01  | 2       | 2.7 – 3.5 GHz BAND / 30W            |
| IM6471-3        | (1)     | IMFET 3W                            |

#### MMIC

|             |    |                                                 |
|-------------|----|-------------------------------------------------|
| AP 205 A    | 99 | 50 ~ 3000MHz 14.0dB Gain 22dBm P1 dB +5V Supply |
| AH118-89G   | 9  | 400-4000MHz NF 3.9dB Gain 17.5dB .25W           |
| ERA-2 SM    | 30 |                                                 |
| ERA-3       | 3  |                                                 |
| INA-10386   | 15 |                                                 |
| MAAL-007306 | 3  | 0.5 - 2.0 GHz 27 dB Gain 0,7 NF                 |
| MSA0235     | 3  |                                                 |
| MSA0505     | 1  |                                                 |

|                |    |                                                    |
|----------------|----|----------------------------------------------------|
| MSA0520        | 2  |                                                    |
| MSA0685        | 1  |                                                    |
| MSA0885        | 4  |                                                    |
| MSA0785        | 1  |                                                    |
| MSA0485        | 1  |                                                    |
| MSA1104        | 2  |                                                    |
| PMA-545G3+     | 19 | 0.7 to 1.0 GHz Gain, 31 dB, 0.9 dB NF, IP3, 34 dBm |
| SBW-5089Z      | 30 | DC - 8 GHz P1dB= 19.4 at 6GHz                      |
| SKY13268-344LF | 1  | 300 kHz–3 GHz SPDT Switch                          |
| SXA-289        | 9  | 5-2000 MHz 23 dBm                                  |
| SZA3044ZSB     | 4  | PA                                                 |
| LEE-19+        | 9  | DC-8 GHz                                           |
| LEE-29+        | 9  | DC-8 GHz                                           |

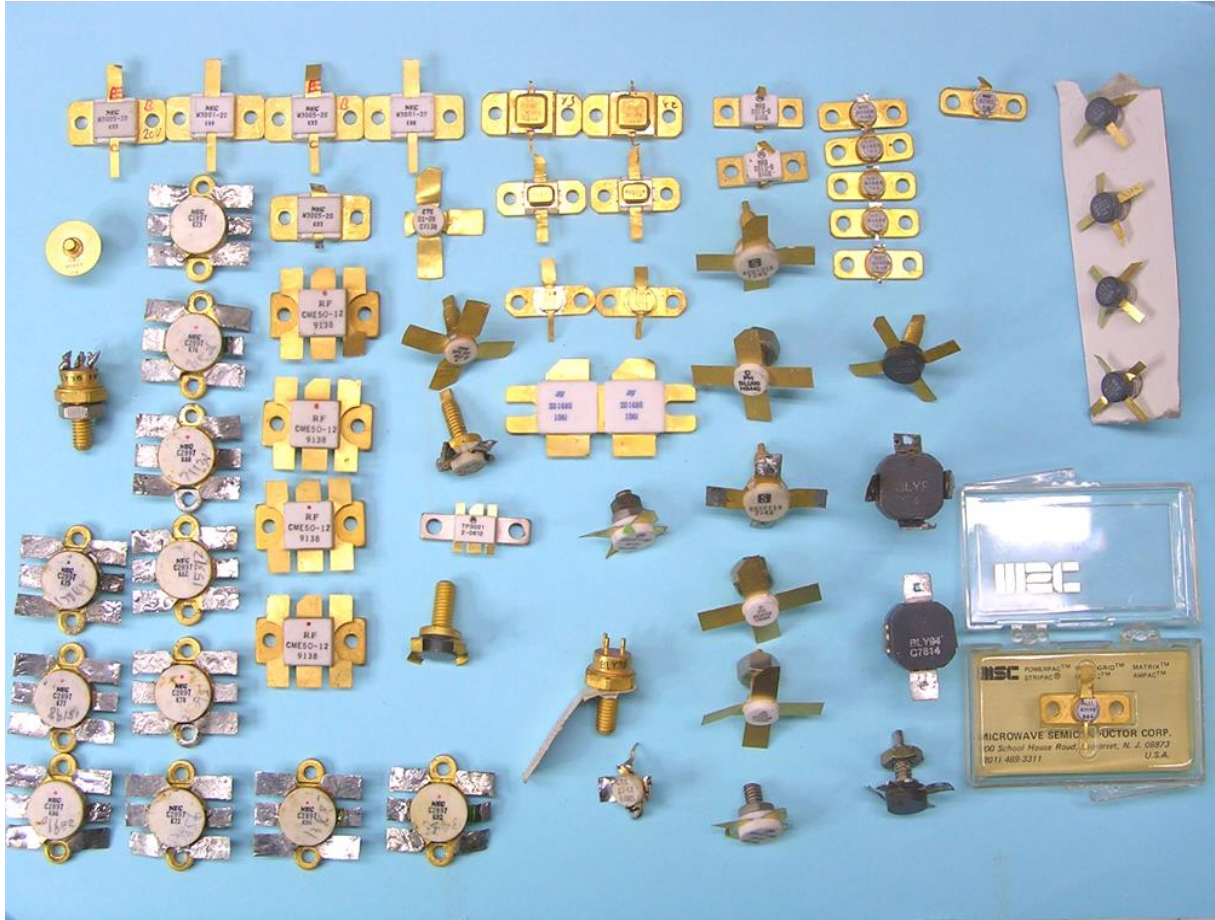
#### **Bipolar HF Transistoren**

|              |     |      |
|--------------|-----|------|
| BF772        | 30  |      |
| BF862        | 8   |      |
| BF1009       | 8   |      |
| BFP182R      | 50  |      |
| BFP182       | 50  |      |
| BFP194 PNP   | 10  |      |
| BFP405       | 8   |      |
| BFP420       | 34  |      |
| BFP490       | 20  |      |
| BFRC96       | 391 | Chip |
| BFS17P BF517 | 30  |      |
| BFT92 PNP    | 8   |      |
| BGA427       | 50  |      |
| BGA425       | 10  |      |
| BGA420       | 50  |      |
| BFP520       | 50  |      |
| BCR400W      | 25  |      |
| NE88900 PNP  | 155 | Chip |
| NE68000 NPN  | 73  | Chip |

#### **Bipolar NF Transistoren**

|        |      |
|--------|------|
| BC574B | 500? |
| BD680A | <100 |
| BD249B | 10   |

## Div. NPN PA Transistoren



### HF-IC MMIC

|              |    |                                                                   |
|--------------|----|-------------------------------------------------------------------|
| HMC241 LP3E  | 10 | GaAs MMIC SP4T NON-REFLECTIVE SWITCH, DC - 4 GHz                  |
| HMC252 QS24E | 5  | SP6T NON-REFLE SWITCH, DC - 3 GHz                                 |
| HMC327 MS8G  | 23 | Power Amp. 3-4 GHz 1 Watt 21 dB Gain                              |
| HMC346 LP3E  | 2  | MMIC VOLTAGE-VARI ATT, DC - 14 GHz                                |
| HMC347 LP3E  | 3  | NON-REFLECTIVE SWITCH, DC - 14 GHz                                |
| HMC365 S8G   | 29 | SMT GaAs HBT MMIC DIVIDE-BY-4, DC - 13 GHz                        |
| HMC369 LP3E  | 8  | FREQUENCY MULTIPLIER, 9.9 - 12.7 GHz OUTPUT                       |
| HMC429 LP4E  | 17 | VCO w/ BUFFER AMPLIFIER, 4.45 - 5.0 GHz                           |
| HMC431 LP4E  | 9  | MMIC VCO w/ BUFFER AMPLIFIER, 5.5 - 6.1 GHz                       |
| HMC441 LP3E  | 13 | GaAs MEDIUM POWER AMPLIFIER, 6.5 - 13.5 GHz                       |
| HMC443 LP4E  | 13 | x4 FREQ MULTIPLIER, 9.8 - 11.2 GHz OUTPUT                         |
| HMC466 LP4E  | 6  | MMIC VCO w/ BUFFER AMPLIFIER, 6.1 - 6.72 GHz                      |
| HMC507 LP5E  | 11 | 6.65-7,65 GHz VCO                                                 |
| HMC508 LP5E  | 9  | VCO w/ HALF FREQUENCY OUTPUT 7.3 - 8.2 GHz                        |
| HMC530 LP5E  | 1  | VCO w/ HALF FREQ OUT & DIV-BY-4, 9.5 - 10.8 GHz                   |
| HMC667 LP2E  | 18 | LOW NOISE AMPLIFIER, 2.3 - 2.7 GHz                                |
| HMC605 LP3E  | 25 | GaAs PHEMT MMIC LOW NOISE AMPLIFIER w/ BYPass MODE, 2.3 - 2.7 GHz |
| HMC807 LP6CE | 1  | 13 GHz FRACTIONAL-N PLL                                           |
| HMC903 LP3E  | 3  | Low Noise Amplifier, 6 GHz to 17 GHz                              |
| HMC973 LP3E  | 10 | GaAs MMIC VOLTAGE-VARIABLE ATTENUATOR, 0.5 - 6.0 GHz              |

**MOSFET**

|                       |     |                               |
|-----------------------|-----|-------------------------------|
| IRFR024N              | 30  | 55V 17Amper RSON 0,075R D-PAK |
| IRFR 220              | 40? | 200V 4,8A 40W D-PAK           |
| IRFP064N              | 8   | 55V 110A 0,008R N-Kanal       |
| SI2318S-T1 E3         | 30  | 40V 5A N-Cannel SO23 Mosfet   |
| RJK0330DPB-00#J0CT-ND | 14  | 30 V 45 A LFPAK               |
| STW34NB20             | 9   | 200V 34 A 0,075 OHM           |
| IRF 450               | 8   | 500 V 14 A 0,4 Ohm            |
| IRF 520A              | 20  | 100 V 9 A 45 W                |
| ZXMN10A07FCT-ND       | 8   | 100 V 0,8 A SOT23-3           |
| BUZ345                | 9   | 100V 40A 150W N-Kanal         |

**MOSFET Treiber**

|             |    |
|-------------|----|
| TC4426EPA   | 9  |
| TCA4426ACOA | 10 |
| TC4427ACOA  | 9  |
| TC4428ACOA  | 10 |
| TCL7667 CPA | 5  |

**OP AMP**

|              |      |                                                    |
|--------------|------|----------------------------------------------------|
| LM324N       | 10   | 4-fach PDIP-14                                     |
| LM358DMR2    | 1600 | TSSOP-B8J                                          |
| OPA2348 AIDR | 20   | Dual OP                                            |
| OPA211AID    | 2    | Noise, Low Power, Precision Operational Amplifiers |
| TLC2272AD    | 300  | SO8                                                |

**Gleichrichter**

|            |           |           |      |
|------------|-----------|-----------|------|
| DF02S 150M | 200V 1,5A | PDIP-4 GW | 200? |
|------------|-----------|-----------|------|

**Dioden**

|                       |        |          |      |
|-----------------------|--------|----------|------|
| MBRS 340 SMD Schottky | 40V 3A |          |      |
| MBRD660CT-M3 Schottky | 60V 6A | D-PAK-e3 | 500? |

**Mitsubishi / Toshiba HF Module**

|             |   |  |              |
|-------------|---|--|--------------|
| RA30H3340M  | 2 |  |              |
| RA45H4047M  | 1 |  | not for sale |
| RA20H8087M  | 1 |  |              |
| RA45H8994M1 | 3 |  |              |
| RA20H8994M  | 1 |  |              |

|        |   |                                              |
|--------|---|----------------------------------------------|
| S-AV24 | 1 | 145 MHz gebraucht und nur für FM (C-Betrieb) |
|--------|---|----------------------------------------------|

**RFHIC**

|              |       |                                           |
|--------------|-------|-------------------------------------------|
| RFC042       | 2     | 400 – 800 MHz 28V 22 dB Gain              |
| RFC1G21H4-24 | 1     | 20 to 1000 MHz 21 dB with 36 dBm P3dB 24V |
| 1F8734PS     | 2     | Ga As 12V 50 to 870 MHz 34 dB Gain 0,6A   |
| S874020P12   | 1 (2) | GaAs 12V 0.34A 40 – 870 MHz 23 dB Gain    |
| R2005240     | (1)   | 5 – 200MHz, 24.6dB 24V 235mA              |



LTC2309CUF

10

AD Wandler 12-bit

**Dioden**

|                  |       |     |                         |               |
|------------------|-------|-----|-------------------------|---------------|
| AA121A           | USSR  | 3   | Gehäust                 |               |
| A604             | USSR  | 1   |                         |               |
| BA592            |       | 10  |                         |               |
| BAT14-110 S      |       | 20  |                         |               |
| BAT14-050S       |       | 100 |                         |               |
| BAT14-02W        |       | 10  |                         |               |
| BAT14B-D         |       | 50  | Chip                    |               |
| BAT14-078 E-8159 |       | 1   | Gehäust                 | 0,18pF X-Band |
| BAT14-104        |       | 1   | Gehäust                 |               |
| BAT15-050D-s6    |       | 20  |                         |               |
| BAT15-050D       |       | 18  | Doppeldiode             |               |
| BAT15-099        |       | 25  |                         |               |
| BAT15-110D       |       | 50  |                         |               |
| BAT24-02LS       |       | >90 | 26 GHz SMD Mixerdiode   |               |
| BAT62-03W        |       | 30  |                         |               |
| BB535            |       | 155 |                         |               |
| BBY53-03W        |       | 10  |                         |               |
| BAR80            |       | 20  |                         |               |
| BB515            |       | 30  |                         |               |
| BB813            |       | 50  |                         |               |
| BXY13B           |       | 2   |                         |               |
| BXY13CA-2        |       | 3   |                         |               |
| BXY14            |       | 1   |                         |               |
| BXY21BA-4B       |       | 1   |                         |               |
| BXY42 BA-6       |       | 2   |                         |               |
| CXY10            |       | 1   |                         |               |
| CXY10/12 ?       |       | 1   |                         |               |
| CDF7623-000      | ALFPA | 2   | Chip                    |               |
| DMF2821-96       | ALPHA | 340 | Chip                    |               |
| 93890099         | ALPHA | 7   |                         |               |
| DME3030-98       | ALPHA | 46  | Chip                    |               |
| DME3051-97       |       | 4   |                         |               |
| DME3127          |       | 15  | S-Band                  |               |
| DME3044-99       | ALPHA | 15  | Vierfach s- Band Dioden |               |
| DMF5817A         |       | 21  | Gehäust                 |               |
| DSB6801-81       |       | 1   |                         |               |
| DH 102-01        |       | 1   |                         |               |
| DH319 H          |       | 1   |                         |               |
| DS332            |       | 1   |                         |               |
| DVE5558          |       | 1   | Sylvania Varaktor       |               |
| DVH8121-C        |       | 1   |                         |               |
| 1N23E            |       | 1   |                         |               |

|                   |        |          |        |                     |              |
|-------------------|--------|----------|--------|---------------------|--------------|
| 1N53              |        |          | 2      |                     |              |
| 1N416E            |        |          | 1      |                     |              |
| 1N4609            |        |          | 1      |                     |              |
| HP82-2353         |        |          | 1      |                     |              |
| HSCH-5316         |        |          | 50     |                     |              |
| HSCH-5514         |        |          | 27     | Doppeldiode         |              |
| HSCH-5912         |        |          | 30     | Vierfachdiode       |              |
| HSCH-5312         |        |          | 5      |                     |              |
| 5082-0012         |        |          | 100    |                     |              |
| 5082-9626         |        |          | 20     | Doppeldiode         |              |
| 5082-6388         |        |          | 1      |                     |              |
| 5082-0800         |        |          | 1      | Gehäust             |              |
| MA45HO14 ?        |        |          | 6      | 0,68 PF?            |              |
| MA40208-120       |        |          | 1      | Gehäust             |              |
| MA40015           |        |          | 1      | Gehäust             |              |
| MA47079           |        |          | 1      | Gehäust             |              |
| MA40301-120       |        |          | 1      | Gehäust             | 0,32PF       |
| MA408A            |        |          | 1      |                     |              |
| MA4P463           |        |          | 44     | Chip                |              |
| MA4E1318          |        |          | 60     | im QRL Duo Schottky | not for sale |
| MA46H146          |        |          | 30     | QRL Varaktor        | not for sale |
| MA4E1310          |        |          | 15     | Schottky            | not for sale |
| MA4E1317          |        |          | 5      | Schottky            | not for sale |
| MAHP800           | ?      | MACOM    | 5      | Chip                |              |
| M5X3341           |        | Metelics | 2600   | Chip                |              |
| ND 5558           | NEC    |          | 10     |                     |              |
| 47401H-0100       | HUGHES |          | 3      | Varactor            |              |
| <b>PIN-Dioden</b> |        |          |        |                     |              |
| HPND-4001         | HP     |          | 50     | Beamlead            |              |
| 5082-3900         |        |          | 10?    | Beamlead            |              |
| MWD12             |        |          | 12     |                     |              |
| BA479 S           |        |          | 10     |                     |              |
| BAR64             |        |          | 6      |                     |              |
| BAT54C            |        |          | 30     |                     |              |
| BXY42BA-S         |        |          | 34     |                     |              |
| <b>Z-Dioden</b>   |        |          |        |                     |              |
| BZX55B5V6 – TAP   |        |          | <10000 | 5,6V Z-Diode 400mW? |              |
| BZX55C3V3         |        |          | >200?  |                     |              |
| <b>MIXER</b>      |        |          |        |                     |              |
| RMS-11F           |        |          | >100   | 350-2000 MHz        |              |
| RMS-30            |        |          | 3      | 3 GHz 5mW           |              |
| ADE-5             | gebr.  |          | 1      |                     |              |
| ADE-10H           |        |          | 30     |                     |              |
| ADE-30            |        |          | 7      |                     |              |
| ADE-35            |        |          | 6      |                     |              |

|                   |                                     |     |                                      |
|-------------------|-------------------------------------|-----|--------------------------------------|
| XLD-K2            | SMC                                 | 2   |                                      |
| SA602A            |                                     | 4   | Double-balanced mixer and oscillator |
| DH495 -03         | Tekelec                             | 1   |                                      |
| MD-139            | +20dBm 500MHz                       | 1   |                                      |
| MD-108            |                                     | 2   |                                      |
| CI-8P022-002W-001 | Merrimac                            | 2   |                                      |
| DMF-6A-1500       | Merrimac                            | 1   |                                      |
| EMS-500X1         |                                     | 1   |                                      |
| IE500 gebr.       |                                     | 1   |                                      |
| IE800F            |                                     | 1   |                                      |
| SBL-1 gebr.       |                                     | 2   |                                      |
| SRA-1             |                                     | 1   |                                      |
| TFM-15-9          |                                     | 1   |                                      |
| TFM-II            |                                     | 1   |                                      |
| TFM-2             |                                     | 1   |                                      |
| V42244-W1-A-2     | Siemens                             | 6   | Ringmixer                            |
| HMJ 5 gebraucht   |                                     | (2) | not for sale                         |
| HMJ 7             |                                     | 1   |                                      |
| LTC5548IUTB       |                                     | 1   | 2GHz to 14GHz Mixer DC-6GHz IF       |
| LTC5577IUF#PBF-ND | 300MHz to 6GHz Downconverting Mixer | 8   |                                      |

### Gunn/Impatt Dioden

|          |         |     |               |
|----------|---------|-----|---------------|
| AA727P ? | USSR    | 5   |               |
| TX-0412  | HP      | 2   | 9,4 GHz 1,3W? |
| GAO10    | Siemens | 20? | 10 GHz        |

### Optokoppler

|        |                |       |
|--------|----------------|-------|
| TLP126 | TOSHIBA 11-4C1 | >1000 |
|--------|----------------|-------|

### Spannungsregler IC

|                    |                        |           |      |            |
|--------------------|------------------------|-----------|------|------------|
| L78L05ACU          | 5 V 0,1 A              | SOT 89    | 94   |            |
| L78S05 CV          | +5 V, 2A,              | TO-220    | 22   |            |
| LD1085V            | 2.85-30V 3.0A Adj      | TO220     | 1000 | 20 Stangen |
| LD29300P2M50R      | 5 V 3A Low             | P2PAK     | 49   |            |
| L4941BDT-TR        | 5 V 1 A Low            | DPAK      | 6    |            |
| L4940D2T10-TR      | 10V 1,5A Low           | DPAK      | 50?  |            |
| LM317HVT           | 60V 1,5 A DAJ          | TO220     | 6    |            |
| LM336              | 2,5V Spannungsreferenz |           | SO8  | 50?        |
| LM2576S-12         | 12 V 3 A               | TO-263-5  | 5    |            |
| LM2576T-ADJ        | 1.23V to 37V Step-Down | TO-263-5  |      | 130        |
| LM2940IMP-10 CT-ND | 10V 1A                 | DPAC mini | 100? |            |

|                    |                          |            |       |
|--------------------|--------------------------|------------|-------|
| LM2940 CT09        | 9 V 1A Low               | TO220      | 100   |
| LM2940 CT12        | 12 V 1 A Low             | TO220      | 10?   |
| LM4041CYM3-1.2     | 1,2 V Ref.               | SOT23      | 80?   |
| LP5900SDX-2,8/NOPB | 2,7V für SDR Play1       |            | 2     |
| LM5017MR           | 0,6 A 100 V              | SO8        | 6     |
| LP2950 ACZ3.0      | 3V 100 mA Low            | TO-92      | 20    |
| KA7805ER           | 5V 1 A                   | TO-252     | 30?   |
| KA7806ER           | 6V 1 A                   | Dpak       | 70?   |
| KF50BDT-TR         | 5V 0,5A Low              | DPAC mini  | 80?   |
| 78M12G             |                          | DPAC mini  | 24    |
| MCP16321T-330ENG   |                          |            | 5 (6) |
| MCP16321T-180ENG   |                          |            | 5 (6) |
| LTC3878            | Switching Voltage Reg.   |            | 3     |
| LT1021DCS8-10      | 10V Spannungs Referenz   | SO8        | 200   |
| LT1028             | OP Amp.                  | DIL8       | 2     |
| LT1074HVCT7#PBF    | Schaltspannungsregler    |            | 30    |
| LT1117CST          | 0,8A ADJ                 | SOT-223    | 8     |
| LT1761-5           | 5V 100 mA                | SOT23-5    | 6     |
| LT1761-3,3         | 3,3V 100 mA              | SOT23-5    | 6     |
| LT1763CS8          | 100 mA ADJ               | 8-Pin SOIC | 5     |
| LT3080EST#PBF      | 1,1A ADJ Low.            | SOT-223    | 10    |
| µA1015             | 15V 1A                   | TO220      | 4     |
| LDO                | 5 Volt 0,4 A             | SOT89      | 40    |
| TPS5410            | Step-Down Converter      |            | 6     |
| TPS5410DR          | Step-Down Converter 1A   |            | 15    |
| TPS5430DDDR        | Step-ON Converter 3A ADJ |            | 8     |
| TL783C             | 150V 0,7 A               | DPAK       | 8     |
| TL783CKCSE3        | 150V 0,7 A               | TO220      | 7     |
| TPS63002           | Buck-Boost Converter     |            | 8     |
| TC7660CPA          | DC/DC-Schaltregler       | DIL8       | 50    |

#### IC – DIV – Microcontroller

|                  |                             |        |             |
|------------------|-----------------------------|--------|-------------|
| PIC16C505-20/SL  | PIC                         |        | 30?         |
| TPS61041 QDBVRQ1 | TI LED Drivers              |        | 15          |
| ATMEGA 64L-8AUR  | Microcontroller             |        | 169         |
| ATMEGA 16A-AU    | Microcontroller             |        | 5           |
| HEF4046BP        | CMOS                        | DIL8   | 5           |
| HEF4051BT        | Multiplex-Schalter          | SO16   | 60?         |
| CD4060BE         | CMOS                        |        | 9           |
| CD4046BE         | CMOS                        | DIL8   | 6           |
| HC4046           | CMOS                        | DIL8   | 6           |
| TC4001           | Quad 2 Input NOR Gate       |        | 10          |
| MOS 4069         | Inverter                    | DIP-14 | 4           |
| SN74LVC1G11DBVR  | Single 3-Input Positive-AND |        | >10 SOT23-6 |
| 74HCT14          |                             |        | 4           |
| 74HC14M          |                             |        | 8           |
| 74HC86M          |                             |        | 10          |
| 74HC390M         |                             |        | 17?         |



## Millimeterwellen Beam lead Varaktordioden für 76 GHz und höher

Type: A92220-3 60 mW Preis: 8,- EURO pro Stück

3A643  
-A92220-Series: ELECTRICAL CHARACTERISTICS

| Denotation | Parameters                                                 | 3A643A-3<br>-A92220-1- |       |       | 3A643B-3<br>-A92220-2- |       |      | 3A643C-3<br>-A92220-3- |      |       | 3A643D-3<br>-A92220-4- |      |      | 3A643E-3<br>-A92220-5- |      |      |
|------------|------------------------------------------------------------|------------------------|-------|-------|------------------------|-------|------|------------------------|------|-------|------------------------|------|------|------------------------|------|------|
|            |                                                            | Min                    | Typ   | Max   | Min                    | Typ   | Max  | Min                    | Typ  | Max   | Min                    | Typ  | Max  | Min                    | Typ  | Max  |
| $C_f^0$    | Total capacitance (pF)<br>( $V_{rev} = 0$ V, $f = 1$ MHz)  | 0.02                   |       | 0.04  | 0.04                   |       | 0.06 | 0.05                   |      | 0.1   | 0.1                    |      | 0.15 | 0.15                   |      | 0.2  |
| $C_f^{-6}$ | Total capacitance (pF)<br>( $V_{rev} = -6$ V, $f = 1$ MHz) |                        | 0.012 | 0.015 |                        | 0.015 | 0.02 |                        | 0.02 | 0.025 |                        | 0.03 | 0.04 |                        | 0.04 | 0.05 |
| $f_c^{-6}$ | Cutoff frequency (GHz)<br>( $V_{rev} = -6$ V)              | 3000                   | 3600  |       | 3000                   | 3200  |      | 3000                   | 3200 |       | 2500                   | 3000 |      | 2000                   | 2500 |      |
| $V_B$      | Breakdown voltage (V)<br>( $I_{rev} = 10$ $\mu$ A)         | 12                     | 15    |       | 12                     | 15    |      | 12                     | 15   |       | 12                     | 15   |      | 12                     | 15   |      |
| $P_{diss}$ | Dissipated RF power,<br>CW (mW)                            | 30                     |       |       | 40                     |       |      | 60                     |      |       | 80                     |      |      | 100                    |      |      |

Total inductance = 0.1 nH

\* Typical stray capacitance is 0.005 pF.

$Q_c = \frac{f_1 \times f_2 \sqrt{A} - 1}{f_2 - f_1}$ , where  $f_1$  and  $f_2$  are frequencies of amplitude-frequency response of a cavity with a diode at which passing power is A times of that at resonance frequency.

Drawing N1.2

## 24 GHz PA Chip APH328



HEMT Power Amplifier CHIP RF Frequency: 24.5 to 26.6 GHz

Gain: 13 dB

P1dB: +28 dBm (ca. >0,6 W)

Stückzahl: 40

Alle weiteren Daten als PDF

[Download](#)

Gesamtpreis: 50,- EUR + Versand

## 24 GHz PA Chip EG1116 TRIQUINT



HEMT Power Amplifier CHIP

RF Frequency: 21.5 to 26.5 GHz

Gain: 7 dB

P1dB: +29,5 dBm (ca. 0,9 W)

Stückzahl: 20 Alle weiteren Daten als PDF

[Download](#)

Gesamtpreis: 30,- EUR + Versand

<http://www.db6nt.de/verkaeufe.html>

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73 Michael DB6NT

[db6nt@gmx.de](mailto:db6nt@gmx.de)