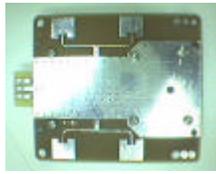


10 ghz DRO module

10 mw Dielectric-resonant Oscillator that can be adjusted with the screw from 10.4 to 10.6 ghz, and can be electronically tuned about 4 mhz by adjusting the operating voltage (5vdc). A complete 10 ghz front-end that includes twin patch antennas for transmitting and for reception. Receiving patch antennas go to a schottky mixer diode detector. IF can be from dc to about 400 mhz. 6x5x1 mm \$US28 each.

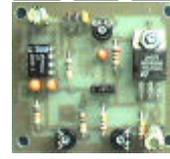


12-inch (30 cm) spun-aluminum Parabolic Reflector

30 cm (12 inch) aluminum parabolic reflector with a focal-length of 18 cm (7.2"), made of 2 mm (.09") material and having a 15 mm full rolled edge for strength and safety. Accurate enough to use to 40 Ghz. No mounting accessories, just the bare dish We will airmail these anywhere. \$US25 each.



Our little WBFM Kits!



We sell a \$US19 Power-supply/Modulator Kit shown on the left. It uses +12 to +20 vdc input and outputs an adjustable +5 to +10 vdc to operate almost all Gunn sources. It also has data and mike inputs to properly modulate Gunn sources from near dc to about 50 Khz. Our \$US20 Heater kit on the right can be attached to many sources, and will gently warm them to about body temperature for very good frequency stability.



M/A-Com 10 ghz

Brand-new 10 ghz, 10 mw source with varactor diode for modulation and frequency-control of about 100 mhz, and a Schottky mixer diode for reception. Operates on +8 vdc. varactor uses +1-20 vdc. Mechanically adjustable over a wide frequency range \$US76 each.

Economy unit for experiments

9-11 ghz at 7 mw RF out of a built-in horn antenna with about 8 db of forward gain. Also includes a schottky mixer/detector diode for reception, and a pc board we have made to hold it all together. A complete 10 ghz transceiver! \$US28.00 for the source and the board, assembled and tested. Uses +10vdc.

M/A-Com 24 ghz

Brand-new 24 ghz, 5 mw source with varactor modulation and schottky diode for reception. Operates on +5vdc, varactor +1=20 vdc. Mechanically adjustable over a wide frequency range. \$US66 each.

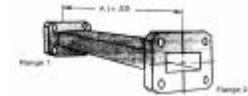
Order Form.....Please fill out and mail with your payment

Name _____ Callsign _____

Street Address _____

City _____ State _____

Postal Code _____ Country _____



WR-90 and WR-42 waveguide and Flanges

WR-90 (8.2-12.4 ghz) and WR-42 (18-26.5 ghz) regular copper waveguide and brass solderable flanges to fit either guide. Any length to 36 inches at \$US2 per inch (\$US2/2.54cm) Flanges are \$US18 each for either type.

MC13155D Data Receiver IC

This is a surface-mount IC made by Motorola which is often used to make data receivers. Used in the KE5FX Ethernet data link construction. \$US6 each A data-sheet can be downloaded from our website if you want.



MC13055P Data Receiver IC

This is a DIP (through-hole mount) IC made by Motorola which is also often used to make data link receivers. Used in the N6GN data link construction. \$US5 each. Data sheet on web site.



MC10116P IC

Used in the N6GN data-link project \$US2 each. Used to drive a balanced line with data over larger distances of several hundred feet.



Mini-Circuits SRA-1 mixer

Used also in the N6GN data-link project. \$US16.50 each



M/A-Com 10 ghz mixer diodes

Schottky detector diode in the 3-legged style as shown. model number MA4E2054, with a noise-figure of only 5.7 db, and a very low capacity of .25 pf, which allows it work properly up to about 10 ghz! \$US2 each.



Replacement Gunn diodes

In the case-style shown only. 10 mw output for either 10 or 24 ghz is \$14 each, and we also carry a 100 mw diode for 10 ghz for \$45 each. Please read our FAQ about exchanging Gunn diodes.



Microwave laminate (pc board) to 90 Ghz

We stock several different laminates. GIL-10, GIL-20, and GIL-30 are good up to 15 ghz, and come in 10, 20, and 30 mil thicknesses with copper both sides. Data-sheet on our website. Rough-cut 4.5 x 6" (11 x 15 cm) for \$4 each piece. We also stock Rogers Duroid 5880 in 10 mil and 30 mil. Rough-cut about 4" x 4" (10x10 cm) for \$US20. Please tell us if you want GIL or Rogers, and what thickness you need.



Quantity	Description of item	Price each	Total Price

Mail to:

SHF Microwave Parts Company
7102 W. 500 S.
La Porte IN 46350 USA

http://www.shfmicro.com
e-mail to: prutz@shfmicro.com

Shipping is \$2 inside the USA
Shipping is \$5 to Canada/Mexico
Shipping is \$10 anywhere else
by Postal Airmail, per order