

PRICE LIST (US \$)

Bandpass Filters

Multi-Band Remote Switched

* **Model 600:** Six Bands 160,80,40,20,15,&10M (Requires 12VDC).....\$ 575.00

Model 800-BPF (Optional Control Switch for Model 600).....\$149.00

Single Band

* **Model 300:** Single Band: 160 thru 6M or WARC.....\$ 99.00

Portable Antenna

* **Rover 6:** 6M collapsible, easy assembly Portable 2-element Quad.....\$169.00

HF Triplexer

* **Model 333 Decoupling Network:** Operate 10, 15, & 20M simultaneously on your tri-bander or trap antenna. External bandpass filters required
Also available in Model 333v2: for 40, 80, & 160M.....\$ 220.00

* **Model 333 PLUS Decoupling Network:** includes 300-series BPFs for 10, 15, & 20M complete with double-male connectors.
Also available in Model 333v2 PLUS: for 40, 80, & 160M.....\$ 499.00

Rover 6

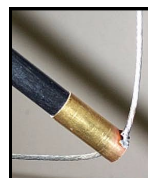
Portable Fold-Up 6M Quad antenna



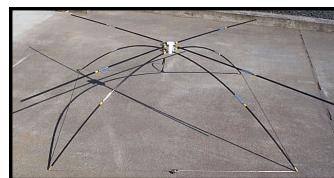
The Rover 6 is a light-weight easy to assemble and disassemble 2-element Quad for 6M 'rover' and portable operation. It can be put up or down in very short time and goes together right each time due to the unique mechanical design. No need to juggle hardware as the hub, spreaders, & pre-formed loops are designed to assure correct alignment. It has a small footprint & low wind resistance making it portable for one person to raise and lower.

Sturdy enough for permanent installations, it can be rotated by even the smallest TV-type rotor or by traditional 'strong-arm' rotation in the field. Excellent performance in a small package.

The Rover 6 is made of fiberglass spreaders and a Delrin plastic hub. This keeps the mechanical structure strong and light weight. The loops are of flexible multi-strand tinned copper wire to withstand the elements and the mechanical stresses of portable/Rover operations.



(End cap)



(1st Loop & spreaders for 2nd in place)

The fiberglass spreaders store in 2 sections and them slide together in use. The Delrin hub holds mounting hardware as well as the mounting sockets for the spreaders.

When ready to travel, the Rover 6 weighs in at 4 pounds and is approximately 2 feet long and 4 inches in diameter. A great companion for the current crop of ultra-portable all-band multi-mode rigs.

333 & 333 PLUS

The K6KV

HF Triplexer

for 10, 15, & 20M or
40, 80, & 160M

use with BPFs you already have



The M333 is based on the work of Gary Gordon, K6KV as presented in the June 2010 QST Magazine article "HF Yagi Triplexer Especially for ARRL Field Day".

The Triplexer is a decoupling network that interfaces between bandpass filter outputs and the trap tribander making it safe and effective to use all 3 bands simultaneously. The combined isolation of the Triplexer and the bandpass filters is about 50db, which will handle a 100W transceiver comfortably.

Applications range from Field Day, to Emergencies, contesting, and DXpeditions. The Triplexer effectively makes one tower and a tribander into 3-towers and 3-yagis, while adding only a 3x5x7 inch aluminum box, weighing less than 2 pounds, to your equipment list. Works well with trap Dipoles and Verticals too.

333 PLUS

Triplexer package complete with Dunestar 300-series BPFs for 10, 15, & 20M or 40, 80, & 160M and coupling connectors



SPECIFICATIONS:

Input and outputs: 50-ohms nominal

Insertion loss: 0.3-0.4 db typical

Attenuation to adjacent band: typically 12 dB in addition to that of the bandpass filters

Power: 200W PEP intermittent

Connectors: UHF type

Dimensions: HWD 3 x 5 (+ 1-In flange) x 7 inches

Weight: 1 lb, 5 oz

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DUNESTAR

300 Single Band Bandpass Filters



Single Band, self-contained. Available for 160, 80, 40, 20, 15, 10, & 6M or WARC bands. This is the same module used in our Model 600. No adjustments required, just install in-line between transceiver and antenna or amplifier and you are ready to go.

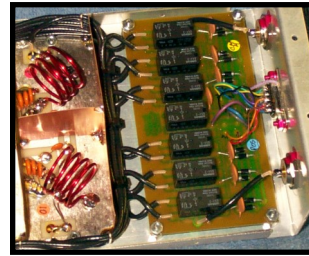
Dimensions: HWD 2.0 x 6.0 x 2.15 Inches (including mounting flange). Ship Weight: 1-lb.

600 Multi-Band Remote Switched Bandpass Filters



Six band, (160, 80, 40, 20, 15 and 10 Meters) remote switched operation for maximum operating convenience. Reduces or eliminates IM and phase noise problems encountered in heavy RF environments. A must for contest and Field Day operations or anywhere two or more transmitters are operated in close proximity. Rated 200 Watts PEP maximum SSB and CW for operation with transceivers. Easy installation with automatic By-Pass and Failsafe built-in. 12 VDC operation for compatibility with other station accessories. Activation is jumper selectable for either positive (positive applied to line) or negative (closure to ground) keying, allowing compatibility with most of the antenna switches and interfaces now on the market or with your personal switching arrangement. Connection is via a single DB9 connector for band selection and power input. Switching can be tracked with your transceiver band switching through use of an interface, or combined with your antenna remote switching. Switching examples are included in the instructions. Operates in-line between transceiver and antenna or amplifier. Construction: Modular, Glass Epoxy PC boards, High-Q Capacitors and Inductors, Aluminum Enclosure. Dimensions: HWD 2.0 X 5.0 X 15.0 Inches. Ship Weight: 4-lb.

See Dunestar Model 600 Review, QST Magazine, March '95, page 85.



Model 600 switchboard & front panel. Highlighted is one of the sealed individual band relays. Also visible is the 10M filter module.

General Specifications: (applies to 600/300 Bandpass Filters)

Insertion : Typical, 0.5-.7db
 Rejection: Typical, 40db band-to-band
 Bandwidth: VSWR <1.5/1 typical
 160M 1.8 - 1.93
 80M 3.5 - 3.85
 40M 7.0 - 7.30
 20M 14.0 - 14.35
 15M 21.0 - 21.50
 10M 28.0 - 28.70
 50 Ohm In and Out, Connectors: UHF

The filters are top-C coupled. Hi-Q capacitors and inductors are used for tuned circuits. Both single and multiband filters are constructed on glass-epoxy PC boards. Inputs and outputs are at DC ground potentials. In the Multi-Band models, bandswitching is accomplished through individual DPDT relays for each section. Relays are powered by 12-VDC source. An additional relay acts as a by-pass when power is removed or when no section is selected. This provides a "Failsafe" in that loss of +V at anytime causes straight thru connection. All control lines are decoupled.

POWER RATINGS: These filters are intended for use with transceivers. This is not to imply a 100% duty cycle. For example, if you were to operate RTTY (100% duty) as much heating would occur as if you run SSB speech (50% duty) at the same power for twice that length of time. With compression, average power increases to 60-80% duty. CW average power is roughly comparable to speech.

VSWR CONSIDERATIONS: VSWR can have a profound effect on the RF voltages and currents appearing in the bandpass filter. The better the SWR, the less likely you will be to experience difficulties. Every effort should be made to maintain minimum VSWR.

800-BPF Control Switch for Model 600



The 800-BPF is the optional manual control switch for the 600. It allows switching of all bands in the Model 600 Multiband system. It is housed in a black over grey aluminum enclosure.

The Model 600 can also be operated in unison with most remote antenna select systems as well as the interfaces in some amplifiers.



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Order at:
www.dunestar.com

