

TPCP-4542 BANDPASS PRESELECTOR

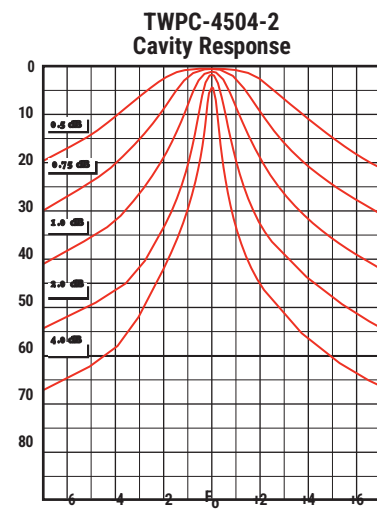
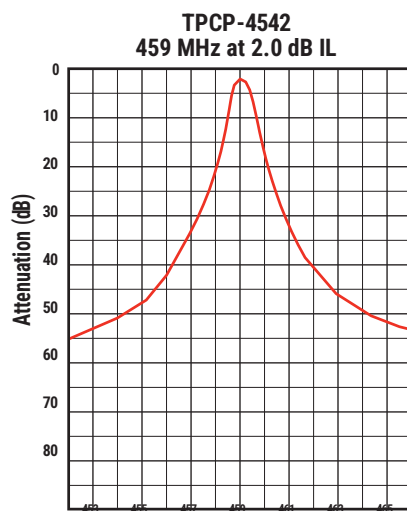
The Telewave.io TPCP-4542 UHF receiver preselector is specially designed for use in master antenna receive systems, to insure rejection of external noise sources. This bandpass preselector provides optimum protection against desense and adjacent channel interference when installed between the receiver multicoupler and antenna. High power capability also allows these units to be used as sideband filters on the outputs of transmitters or transmitter combiners.

Bandpass preselectors reject all signals outside a selected pass window, and are often preferred at congested sites.

Heavy-duty materials are used throughout this bandpass filter to insure top performance and long service. RG-214 Mil-Spec cable is used for the interconnect, and temperature stability is maintained by the use of a threaded invar tuning

rod. Tuners are all silver-plated, and sliding contacts are manufactured from beryllium copper fingerstock. This unit is 19" rack mounted, and comes with N Female connectors standard.

All units are factory tuned to customer-supplied frequencies and no further adjustment should be necessary. Field re-tuning or adjustment of insertion loss can be accomplished quickly if needed.



Frequency (MHz)

SPECIFICATIONS - TPCP-4542	
Frequency range	400-512 MHz
Bandpass (max)	1 MHz or less
Attenuation at +/- 5 MHz	35 dB
Insertion loss (typ)	1.0 dB
Power input (max)	350 watts
Impedance (nom) / VSWR (max)	50 ohms / 1.5:1
Temperature range	-30°C to +70°C
Number of cavities / size	2 / 4"
Connectors	N Female
Dimensions (HWD) in. (cm)	5.25 x 19 x 10.5 (13.3 x 48.3 x 26.5)
Mounting	19" rack mount
Finish	Alodine / Gray acrylic enamel
Net weight lb. (kg)	5 (2.3)
Shipping weight lb. (kg)	8 (3.6)