

## TPCP-8642, TPCP-8644 BANDPASS PRESELECTORS

Telewave TPCP-8642 and 8644 Bandpass Preselectors are specially designed for use with 800 MHz receiver systems to insure rejection of external noise sources. These bandpass preselectors provide optimum receiver desense protection when installed between the receiver multicoupler and the antenna. Their high power capability 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.

These bandpass filters are available with up to a 5 MHz pass bandwidth, and they consist of 2 or 4 series-connected cavities. Each model features "sharp-skirt" selectivity with minimum insertion loss. For optimum performance, these bandpass filters are custom tailored to meet individual requirements.

Multiple-window configurations can be provided when more than one pass band is required. All units are factory tuned to customer-supplied frequencies and no further adjustment should be necessary.

Heavy duty materials are used throughout these bandpass filters to insure top performance and long life, and only RG214 Mil-Spec cable is used for interconnections. Temperature stability is maintained from -30 to +70°C by the use of temperature compensators, and threaded invar rod. Tuners are silver plated and sliding contacts are made with beryllium copper

fingerstock. All models are 19" rack-mountable, and come with N Female connectors.

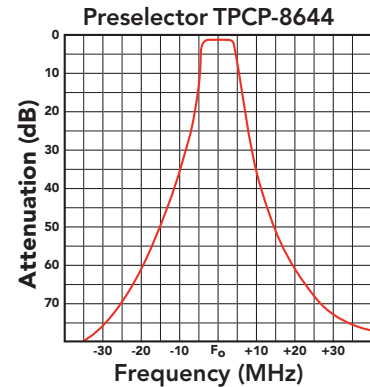
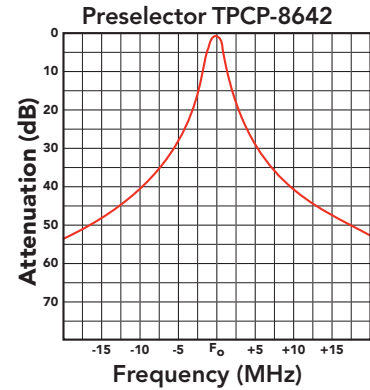


TPCP-8642



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### TYPICAL RESPONSE CURVES



SPECIFICATIONS	TPCP-8642	TPCP-8644
Frequency range	806-960 MHz	
Bandpass (typ)	2 MHz or less	5 MHz or less
Attenuation (+/- 45 from Fc)	90 dB	
Insertion loss (typ)	0.5 dB	1.0 dB
Power input (max)	350 watts	
Impedance / VSWR (max)	50 ohms / 1.5:1	
Temperature range	-30°C to +70°C	
Number of cavities / size	2 / 4"	4 / 4"
Connectors	N Female	
Dimensions (HWD) in.	5.25 x 19 x 10.5	5.25 x 19 x 10.5
cm	13.3 x 48.3 x 26.7	13.3 x 48.3 x 26.7
Mounting	19" rack mount	
Finish	Alodine / Gray acrylic enamel	
Net weight lb. (kg)	8 (3.6)	10 (4.5)
Shipping weight lb. (kg)	12 (5.5)	14 (6.4)