

TPCP-45215 / 46215 / 45215-2 UHF COMBLINE PRESELECTORS

TPCP-45215 455-460 MHz

TPCP-46215 465-470 MHz

TPCP-45215-2 455-470 MHz

Telewave TPCP-45215/46215 single and TPCP-45215-2 dual window combline preselectors are specially designed for use with master receive systems, to optimize performance on UHF repeater frequencies, and provide excellent rejection of external noise sources. These combline filters provide maximum protection from receiver desense when installed between the receiver multicoupler and the antenna.

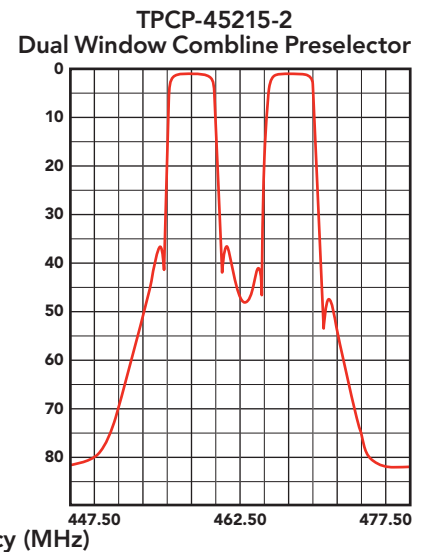
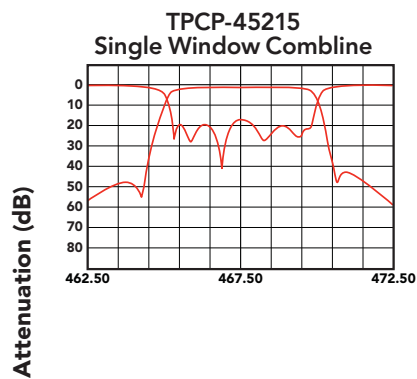
The TPCP-45215 and 46215 combline filters have a bandpass of 4 MHz, and consist of a series of resonators in a compact 5" x 14" x 9" enclosure, mounted on a standard 19" x 5.25" panel.

These units feature "sharp-skirt" selectivity with minimum insertion loss in single or dual configuration (see next page for typical response curves). All units are pre-tuned to customer-specified frequencies before shipment to provide optimum performance, and no further adjustment should be necessary.

Telewave combline filters offer the ultimate in repeater system performance, maximizing coverage and providing protection against receiver desensitization at congested sites.



TYPICAL FILTER RESPONSE CURVES



ELECTRICAL SPECIFICATIONS			
Configuration	SINGLE WINDOW		DUAL WINDOW
Model number	TPCP-45215	TPCP-46215	TPCP-45215-2
Frequency (MHz)	455-460	465-470	455-460/465-470
Pass bandwidth (MHz)	4	4	4 + 4
Insertion loss (Typ.)	2 dB		
Attenuation at +/- 3 MHz from Fo (typ.)	> 35 dB		
Temperature range	-30° to +60°C		
MECHANICAL SPECIFICATIONS			
Dimensions (HWD)	in.	5.25 x 1 x 9	10.5 x 19 x 9
	cm	13.3 x 48.3 x 22.9	26.7 x 48.3 x 22.9
Panel Size	in. (cm)	19 (48.3)	19 (48.3)
Connectors	N Female		
Finish	Clear alodine / black paint		
Net weight	lb. (kg)	12 (5.5)	22 (10)
Shipping weight	lbs (kg)	14 (6.4)	29 (13.2)