

TPCP-45215	455-460 MHz
TPCP-46215	465-470 MHz
TPCP-45215-2	455-470 MHz

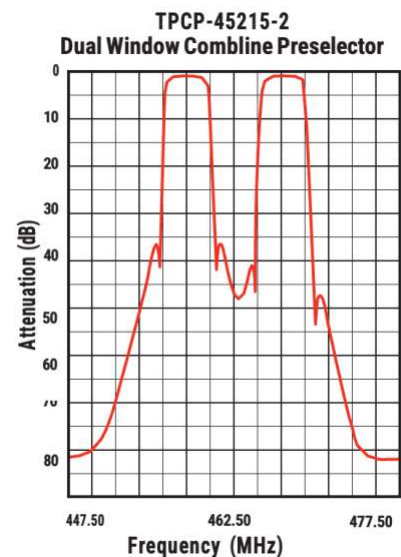
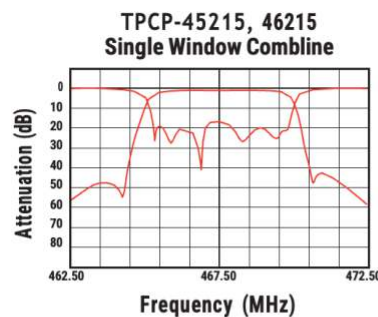
## TPCP-45215 / 46215 / 45215-2 UHF COMBLINE PRESELECTORS

Telewave.io 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 45215 and 46215 combline filters have a bandpass of 4 MHz, and consist of a series of resonators in a compact enclosure, mounted on a standard 5.25" x 19" panel. The 45215-2 provides two 4 MHz windows on a 10.5" x 19" panel. These units feature "sharp-skirt" selectivity

with minimum insertion loss in single or dual configuration. All units are pre-tuned to customer-specified frequencies before shipment to provide optimum performance, and no further adjustment should be necessary.

Telewave.io combline filters offer the ultimate in repeater system performance, maximizing coverage and providing protection against receiver desensitization at congested sites. With new narrowband channel assignments, proper filtering is even more critical. The TPCP-45215 series allows operators of high-density UHF systems to take advantage of new technology, and enhance the performance of existing systems.



TYPICAL FILTER RESPONSE CURVES

SPECIFICATIONS	TPCP-45125	TPCP-46215	TPCP-45215-2
<b>Configuration</b>	<b>SINGLE WINDOW</b>		<b>DUAL WINDOW</b>
<b>Frequency range (MHz)</b>	455-460	465-470	455-460/465-470
<b>Bandpass (typ)</b>	2 MHz	4 MHz	4 + 4 MHz
<b>Attenuation (typ)</b>	> 35 dB at +/- 3MHz from Fc		
<b>Insertion loss (typ)</b>	2.0 dB		
<b>Impedance / VSWR (max)</b>	50 ohms / 1.5:1		
<b>Temperature range</b>	-30°C to +70°C		
<b>Connectors</b>	N Female		
<b>Dimensions (HWD)</b>	<b>in.</b>	5.25 x 19 x 10	10.5 x 19 x 10
	<b>cm</b>	13.3 x 48.3 x 25.4	26.7 x 48.3 x 25.4
<b>Mounting</b>	19" rack mount		
<b>Finish</b>	Clear alodine / black paint		
<b>Net weight lb. (kg)</b>	12 (5.5)		24 (10.9)
<b>Shipping weight lb. (kg)</b>	14 (6.4)		29 (13.2)