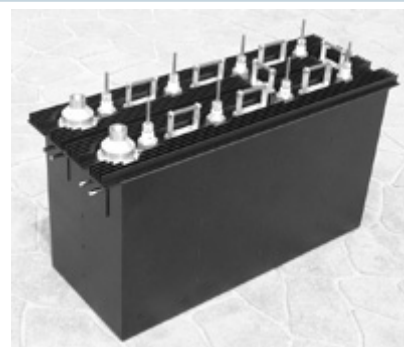




RFS bandpass filters are primarily used as part of multi-channel combiner facilities but can also be used to eliminate spurious emissions and increase isolation between co-sited services.

FEATURES / BENEFITS

- Natural convection cooling for all power levels
- Can be retuned to any channel
- Vertical entry and exit
- Invar temperature compensation
- 4 and 6 pole versions standard



Showing 8PX180C filter

Technical features

GENERAL SPECIFICATIONS

Product Line		Filters
Product Type		Band III VHF TV Bandpass Filter

ELECTRICAL SPECIFICATIONS

Frequency Range (tuneable)	MHz	174 - 230
Input Power (maximum), kW Average	kW	6
Input Channel Bandwidth	MHz	6 to 8 adjustable. Note 1
Insertion Loss at Channel Centre Frequency	dB	0.2
Input Return Loss	dB	> 25 Note 1
Filter Selectivity	dB	< 1.0 at $f_c \pm 3.8$ MHz > 25 at $f_c \pm 5$ MHz > 49 at $f_c \pm 12$ MHz
Impedance	Ω	50

TESTING AND ENVIRONMENTAL

Temperature Range	$^{\circ}\text{C} (^{\circ}\text{F})$	0 to 40 (32 to 104)
-------------------	---------------------------------------	----------------------

External Document Links
[CA6PX180C](#)

Notes

- Note 1 8MHz wide channel data shown, can be adjusted for other bandwidths.
- Note 2 The RFS R series provides a "mix and match" interface to 50 ohm EIA/IEC standard connectors.