



RFS Waveguide UHF filters are now 4th generation products designed for global combining and filtering applications associated with DTV and analog television transmissions.

FEATURES / BENEFITS

- Designed for vertical mounting to minimize footprint
- Adjustable 6 to 8MHz bandwidth for global applications
- Designed for high peak voltage DTV signals
- Advanced design and manufacturing techniques for optimum performance
- Customised out-of-band emissions filtering
- No field tuning required.



10PXXW

6PXWE

PXW series Waveguide filters

Technical features

GENERAL SPECIFICATIONS

Product Line		Filters
Product Type		Band IV/V (UHF) TV Waveguide Filter
Model		12PXXXWE
Filter type		12 Pole

MECHANICAL SPECIFICATIONS

Weight	kg (lb)	100 (220) @ 719MHz
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ELECTRICAL SPECIFICATIONS

Frequency Range	MHz	470 - 860
Out-of-Band Emissions Mask		FCCsect 53 698-746MHz
Channel Bandwidths	MHz	6
Input Power Rating	kW	10 @ 719MHz
Insertion Loss at fc	dB	< 0.4
VSWR average across carriers		< 1.1
Group Delay Variation	ns	< 2400ns ± 2.71MHz

External Document Links

Notes

- Note 1 The RFS R series provides a "mix and match" interface to 50 Ohm EIA/IEC standard connectors
- Note 2 Operating room temperature 0 to 45 degrees C
- Note 3 In the model name, "X" denotes single cross coupling and "XXX" denotes triple cross coupling.