

6-Cavity High Power Base Station Duplexers for the UHF 450 MHz range

DESCRIPTION

- 150 W base station duplexers.
- The ¼ λ models are continuously tunable from 406 MHz to 470 MHz.
- Low insertion loss due to silver-plated, temperature compensated resonator elements in high-Q 40 x 40 mm cavities.
- Single channel tuned as standard.
- Multi-channel tuning possible with slightly reduced data (factory tuning recommended).
- Fully environmentally tested.



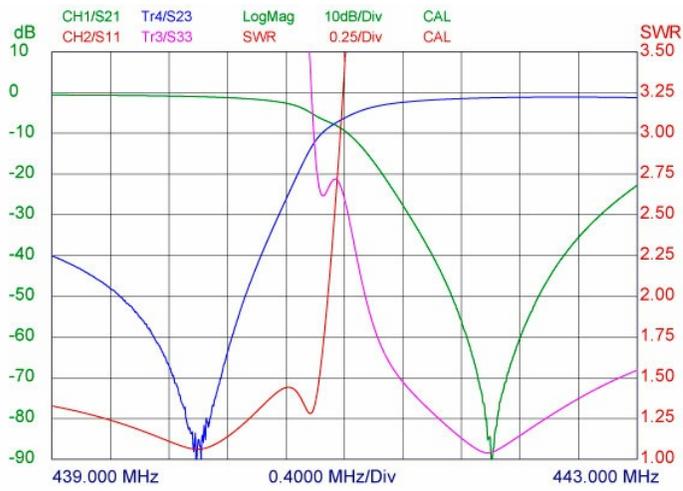
SPECIFICATIONS

Electrical			
Model	DPF 70/6-150		
Cavity Type	¼ λ tube resonators		
Frequency	406 - 470 MHz		
Max. Input Power	100 W	150 W	
Special spec. info	Single-channel tuned	Single-channel tuned	Multi-channel tuned BW Tx and Rx = 2 MHz
Insertion Loss Tx-Ant and Ant-Rx	≤ 1.4 dB	≤ 1.2 dB	≤ 1.2 dB
Tx Noise Suppression on Rx Frequency	> 60 dB	> 80 dB	> 60 dB
Isolation Rx on Frequency Tx	> 60 dB	> 80 dB	> 60 dB
Impedance	50 Ω		
Duplex Spacing	2 - 5 MHz	5 - 15 MHz	5 - 15 MHz
VSWR	< 1.5:1		
Mechanical			
Connection(s)	N(f) (Others on request)		
Colour	Black		
Dimensions	Approx. 238 x 250 x 50 mm / 9.37 x 9.84 x 1.97 in.		
Weight	Approx. 2.5 kg / 5.51 lb.		
Environmental			
Operating temperature range	-30 °C to +60 °C		

ORDERING

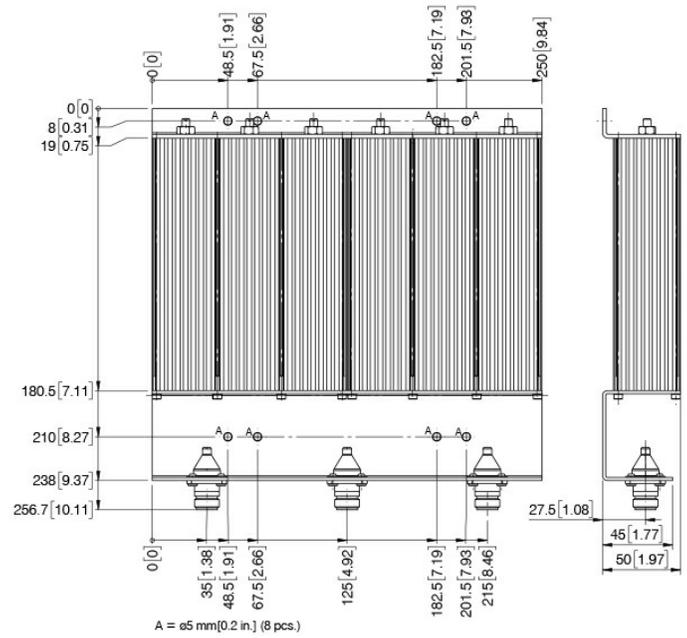
Model	Product No.	Spacing
DPF 70/6-150-2/3-¼ λ-N(f)	20000369	2 - 3 MHz
DPF 70/6-150-3/5-¼ λ-N(f)	200001617	3 - 5 MHz
DPF 70/6-150-5/7-¼ λ-N(f)	200001610	5 - 7 MHz
DPF 70/6-150-7/9-¼ λ-N(f)	200001615	7 - 9 MHz
DPF 70/6-150-9/11-¼ λ-N(f)	200001612	9 - 11 MHz
DPF 70/6-150-11/13-¼ λ-N(f)	200001872	11 - 13 MHz
DPF 70/6-150-13/15-¼ λ-N(f)	200001873	13 - 15 MHz

TYPICAL RESPONSE CURVE



MOUNTING DETAILS

For ¼ λ models



All dimensions are given in mm [in.]

