

DUPLEXERS, DIPLEXERS AND POWER SPLITTERS

DPF 70/6-150... 6-Cavity Base Station Duplexers for the 450 MHz-Band



DESCRIPTION:

- ★ 150 W base station duplexers.
- ★ Can also be ordered with 3-4, 4-5, 5-7, 7-9, 9-11, 11-13 and 13-15 MHz spacing.
- ★ Low insertion loss due to silver-plated, temperature compensated resonator elements in high-Q 40 x 40 mm cavities.
- ★ Multi-channel tuning possible with slightly reduced data (factory tuning recommended).
- ★ Fully environmentally tested.

DPF 70/6-150-...



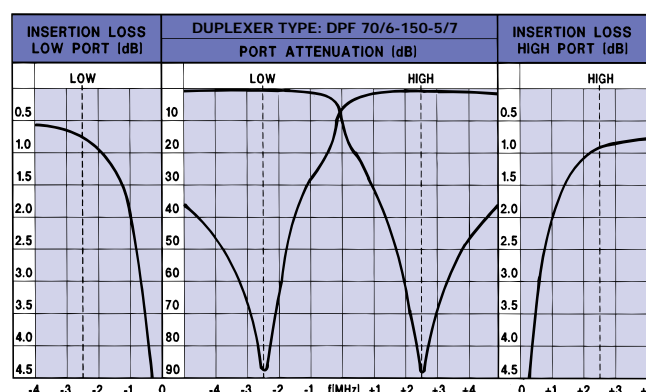
SPECIFICATIONS:

ELECTRICAL		
MODEL	DPF 70/6-150-...	
CAVITY TYPE	1/4 λ	
TX/RX FREQUENCY	406-470 MHz	
MAX. INPUT POWER	150 watt	
TUNING	Single-channel tuned. Spacing = 5 MHz.	Multi-channel tuned. Spacing = 10 MHz. Port width = 2 MHz.
INSERTION LOSS TX i ANT. AND ANT. i RX	≤ 1.2 dB	≤ 1.4 dB
TX-NOISE SUPP. ON RX-FREQUENCY	> 80 dB	> 70 dB
RX-ISOLATION ON TX-FREQUENCY	> 80 dB	> 70 dB
DUPLEX SPACING	3-15 MHz	
IMPEDANCE	Nom. 50 Ω	
SWR	≤ 1.5	≤ 1.5
MECHANICAL		
TEMP. RANGE	-30° C i +60° C	
FREQ. STABILITY	Approx. 4.5 ppm/° C	
CONNECTOR TYPE	N-female	
COLOUR	Black	
DIMENSIONS (L x W x H)	260 x 250 x 50 mm	
WEIGHT	Approx. 2.5 kg	

MODEL SELECTION TABLE:

TUNING RANGE (MHz)	DUPLEX SPACING (MHz)	ORDERING DESIGNATION
406-470	3-4	DPF 70/6-150-3/4
	4-5	DPF 70/6-150-4/5
	5-7	DPF 70/6-150-5/7
	7-9	DPF 70/6-150-7/9
	9-11	DPF 70/6-150-9/11
	11-13	DPF 70/6-150-11/13
	13-15	DPF 70/6-150-13/15

TYPICAL RESPONSE CURVE:



PROCOM A/S reserve the right to amend specifications without prior notice.