

DPF 2/...-125

Duplex Filter for the 160 MHz Band

DESCRIPTION

- High power base station duplex filter for the 140 – 175 MHz range.
- The use of large $\varnothing 125$ mm cavities means a high Q, resulting in a very small duplex spacing.
- The large dimensions also mean a high power rating.
- High frequency stability on temperature and power.
- Mounting brackets for 19" mounting included.
- Please specify the frequencies for TX and RX when ordering.



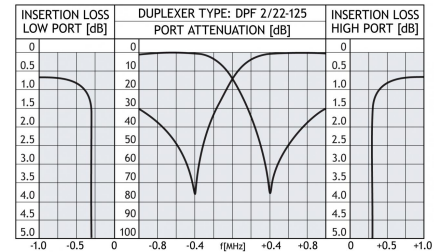
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
DPF 2/22-125	200000273
DPF 2/33-125	200000270

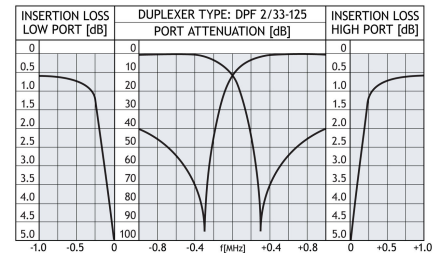
SPECIFICATIONS


ELECTRICAL			
MODEL	DPF 2/22-125	DPF 2/33-125	DPF 2/33-125
FREQ. RANGE	140 - 175 MHz	140 - 175 MHz	140 - 175 MHz
MAX. INPUT POWER	300 W	300 W	300 W
MIN. DUPLEX SPACING	800 kHz	600 kHz	500 kHz
TYP. INSERTION LOSS	< 1.0 dB	< 1.5 dB	< 2.0 dB
ATTENUATION	> 70 dB	> 90 dB	> 90 dB
IMPEDANCE	Nom. 50 Ω	Nom. 50 Ω	Nom. 50 Ω
SWR	≤ 1.5	≤ 1.5	≤ 1.5
CAVITIES	4	6	6
MECHANICAL			
TEMP. RANGE	-30° C \rightarrow +60° C		
FREQ. STABILITY	Approx. 1.5 ppm/° C		
CONNECTORS	N-female		
DIMENSIONS (D x W x H)	260 x 483 x 600 (700) mm (incl. adjustment bolts)		
WEIGHT	Approx. 8 kg	Approx. 14 kg	Approx. 14 kg

TYPICAL RESPONSE CURVES @ 0.8 MHz DUPLEX SPACING



TYPICAL RESPONSE CURVES @ 0.6 MHz DUPLEX SPACING



 PROCOM A/S reserve the right to amend specifications without prior notice.
27/11/14