BRF 70/...-250

Band-Reject Filters for the 450 MHz Band

DESCRIPTION

- High power base station band-reject filters for the 380 – 470 MHz range.
- The use of large ø250 mm cavities means a high Q, resulting in a very narrow notch bandwidth.
- The large dimensions also mean a high power rating.
- Unloaded Q of a single cavity is approx. 8000.
- High frequency stability on temperature and power.
- 19" mounting brackets are available as an option.

BRF 70/1-200

BRF 70/2-200

BRF 70/3-200

ORDERING DESIGNATIONS

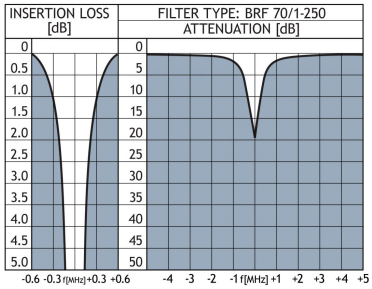
TYPE	PRODUCT NO.
BRF 70/1-250	200001235
BRF 70/2-250	200001600
BRF 70/3-250	200001668

SPECIFICATIONS

ELECTRICAL			
MODEL	BRF 70/1-250	BRF 70/2-250	BRF 70/3-250
FREQ. RANGE	380 - 470 MHz	380 - 470 MHz	380 - 470 MHz
MAX. INPUT POWER	350 W @ 0.5 dB IL 200 W @ 1.0 dB IL	350 W @ 1.0 dB IL 200 W @ 2.0 dB IL	350 W @ 1.5 dB IL 200 W @ 3.0 dB IL
ATTENUATION	See figure 1	See figure 2	See figure 3
1 dB NOTCH BANDWIDTH	1 ‰ of f_c	1 ‰ of f_c	1 ‰ of f_c
IMPEDANCE	Nom. 50 Ω	Nom. 50 Ω	Nom. 50 Ω
SWR	< 1.5	< 1.5	< 1.5
MECHANICAL			
TEMP. RANGE RH 0-90% non-condensing	–30° C → +60° C	–30° C → +60° C	–30° C → +60° C
FREQ. STABILITY	Approx. 1.5 ppm/° C	Approx. 1.5 ppm/° C	Approx. 1.5 ppm/° C
CONNECTORS	N-female	N-female	N-female
DIMENSIONS	ø250 x 400 mm	L:250 x W:500 x H:400 mm	L::250 x W:750 x H:400 mm
WEIGHT	Approx. 2.8 kg	Approx. 5.2 kg	Approx. 9.6 kg

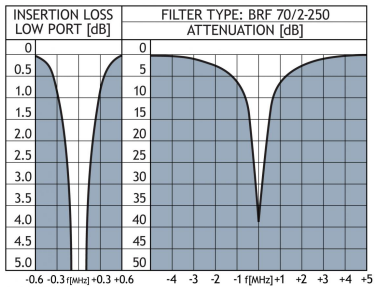
TYPICAL RESPONSE CURVES

Figure 1



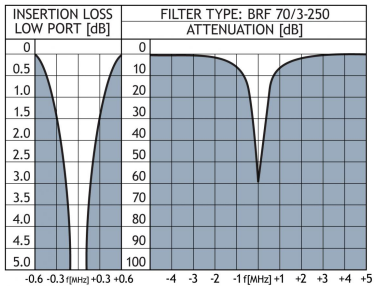
TYPICAL RESPONSE CURVES

Figure 2



TYPICAL RESPONSE CURVES

Figure 3



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

06/04/11