

BPF-WiMAX 2.3-2.6/5-1x2

Combine Band-Pass Filter for the 2.3 - 2.6 GHz Band

DESCRIPTION

- The BPF-WiMAX 2.3-2.6/5-1x2 is a 5-resonator, cavity band-pass filter specially designed for WiMAX applications and other wireless area network systems.
- The WiMAX cavity filter is able to cover 2.3 to 2.6 GHz frequency range.
- A bandwidth of 30 MHz.
- Insertion loss of less than 0.8 dB on the passband edges.
- More than 25 dB attenuation just 20 MHz from the passband.
- The BPF-WiMAX 2.3-2.6/5-1x2 housing is made of silver-plated aluminium.
- Careful design and choice of materials ensure a long lifetime and reliable operation over a wide temperature range.



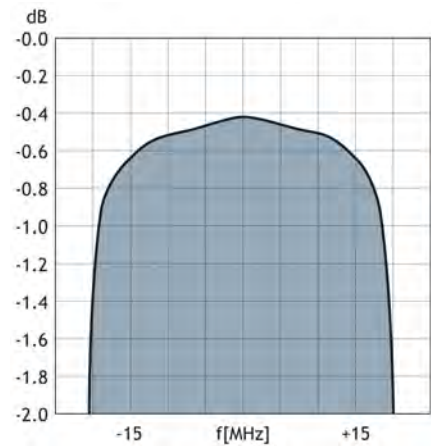
ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
BPF-WiMAX 2.3-2.6/5-1x2	200002130

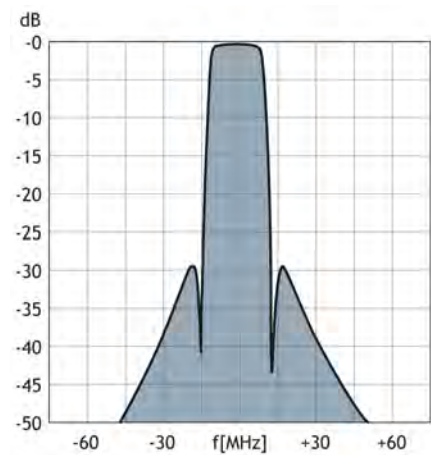
SPECIFICATIONS

ELECTRICAL	
MODEL	BPF-WiMAX 2.3-2.6/5-1x2
FILTER TYPE	Combine band-pass filter
CENTRE FREQUENCY	To be stated within 2.3 - 2.6 GHz
MAX. INPUT POWER	100 W
PASS RANGE WIDTH	30 MHz (others on request)
INSERTION LOSS	≤ 0.8 dB, typ. 0.7 dB
ATTENUATION AROUND PASSBAND	± 35 MHz rel. fc: > 25 dB ± 80 MHz rel. fc: > 40 dB
ATTENUATION OUTSIDE PASS RANGE	0 - 4 GHz: See curves
IMPEDANCE	Nom. 50 Ω
SWR	< 1.3
MECHANICAL	
TEMP. RANGE	-30° C → +60° C
FREQ. STABILITY	Approx. ±3.5 MHz drift
CONNECTORS	N-female
DIMENSIONS (L x W x H)	289 x 50 x 40 mm (without conn.)
WEIGHT	Approx. 1.0 kg

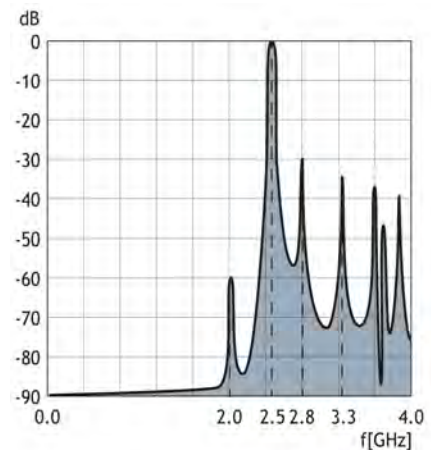
TYPICAL CURVE FOR INSERTION LOSS



TYPICAL RESPONSE CURVE



TYPICAL CURVE FOR BPF-WiMAX 2.5/5-1x2



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

11/10/11