

ED2 P/N FB010BW16SG

2 GHz to 18 GHz Bandpass Filter Bank

Description

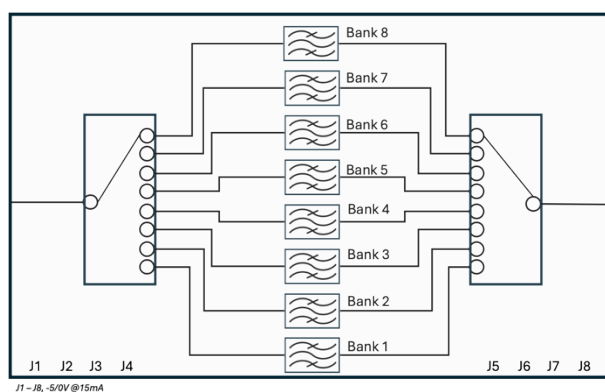
The ED2 FB010BW16SG is a broadband eight-way bandpass filter bank offering low-loss and high-rejection from 2 GHz to 18 GHz. Each bank delivers 2 GHz of bandwidth. With internal 50Ω matching and packaged in a 9 mm x 9 mm LGA package, the ED2 FB010BW16SG represents a compact total PCB footprint, and is the best choice for low-SWaP applications.



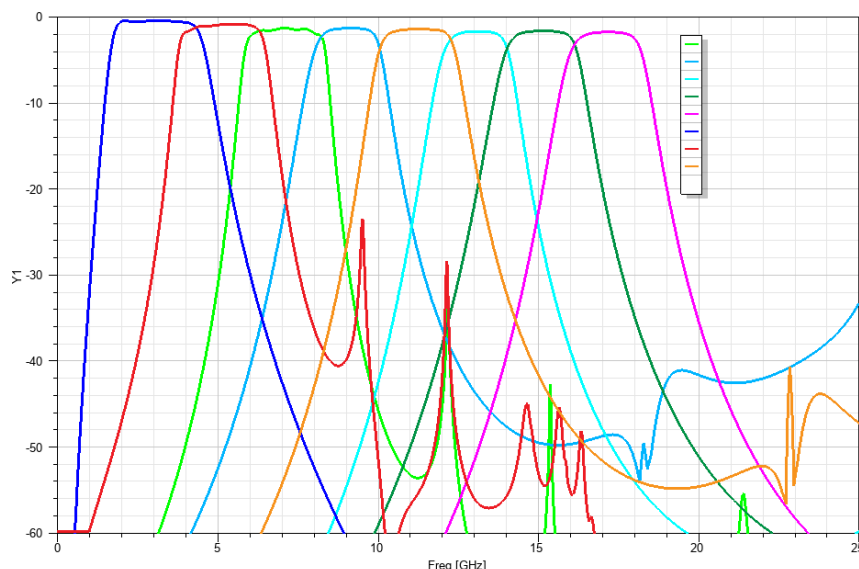
Features

- Broadband, 2 to 18 GHz
- +/- 5.0V Supply, 15 mA
- -4 dB Insertion Loss (typ.)
- >12 dB Return Loss
- +30 dBm max C.W. input
- SMT Package
- -40C to +85C Operation

Functional Diagram



Characteristic Performance



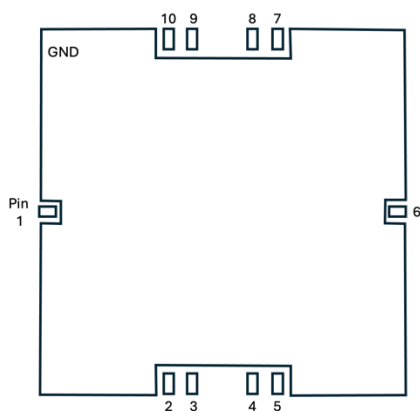
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Pinout

Pin Number	Ports	Function Band	Fc (GHz)	Bias (-5V, 0V)
1	P1	RF	n/a	n/a
2	J1	Band 1	3.1	-30mA/0
3	J2	Band 2	5.1	-30mA/0
4	J3	Band 3	7.1	-30mA/0
5	J4	Band 4	9.1	-30mA/0
6	P2	RF	n/a	n/a
7	J5	Band 5	11.1	-30mA/0
8	J6	Band 6	13.1	-30mA/0
9	J7	Band 7	15.1	-30mA/0
10	J8	Band 8	17.1	-30mA/0

Footprint



Physical Dimensions (mm)

