Filter Bank

Design ratings are 50 W average and 100 W peak. The three signal paths use separate pairs of 0.5 mm round microstrip pins.

RF Performance

Parameter	Value
Passband B1	1340–1360 MHz
Passband B2	1460–1480 MHz
Passband B3	1380–1400 MHz
Passband Insertion Loss	≤1.7 dB
VSWR	≤1.4:1
Stopband Rejection B1 [1]	≥70 dBc
Stopband Rejection B1 [2]	≥45 dBc
Stopband Rejection B1 [3]	≥45 dBc
Stopband Rejection B1 [4]	≥65 dBc
Stopband Rejection B1 [5]	≥70 dBc
Stopband Rejection B2 [6]	≥70 dBc
Stopband Rejection B2 [7]	≥60 dBc
Stopband Rejection B2 [8]	≥45 dBc
Stopband Rejection B2 [9]	≥45 dBc
Stopband Rejection B2 [10]	≥65 dBc
Stopband Rejection B2 [11]	≥70 dBc
Stopband Rejection B3 [12]	≥70 dBc
Stopband Rejection B3 [13]	≥45 dBc
Stopband Rejection B3 [14]	≥45 dBc
Stopband Rejection B3 [15]	≥65 dBc
Stopband Rejection B3 [16]	≥70 dBc

[1] DC–1200 MHz
[2] 1200–1320 MHz
[3] 1380–1500 MHz
[4] 1430–1500 MHz
[5] 1500–3000 MHz
[6] DC–1320 MHz
[7] 1320–1390 MHz
[8] 1390–1440 MHz

[9] 1500–1620 MHz
[10] 1620–1750 MHz
[11] 1750–3000 MHz
[12] DC–1240 MHz
[13] 1240–1360 MHz
[14] 1420–1470 MHz
[15] 1470–1540 MHz
[16] 1540–3000 MHz

Design Ratings

Design rating

Parameter	Value
Operating Temperature	−40...+70 °C
Storage Temperature	−55...+85 °C
Average Power	50 W
Peak Power	100 W

Mechanical Specifications

Parameter	Value
RF Interface	0.5 mm round microstrip pins
RF Impedance	50 Ω
Surface Finish	Silver plated
Housing Material	Al 6061
Housing dimensions	78 × 48 × 30 mm
RF pin pairs	B1 ↔ B1 / B2 ↔ B2 / B3 ↔ B3 (At each end, B2 is the middle RF pin. Of the two outer pins, B3 is nearer the inner row of three threaded holes whose centers align across the body thickness. The other outer pin is B1.)
RF pin positions	On both ends, the three RF pins are on 13 mm centers. The outer pins are 11 mm from the adjacent side edges. Pin axes are 21 mm above the bottom.
Bottom mounting threads	4 × M2, 6 mm deep (72 × 42 mm center pattern. Steel wire thread inserts.)
End-face threads	M1.6, 3 mm deep (The end-face holes are separate from the bottom mounting pattern. Use the end-face installation drawing for any fixture that attaches to an end face.)
Cleaning	Clean the surface without immersing the assembly in cleaning fluid.

Document notice

Specifications are subject to revision. Before design release, confirm the current document revision and product-specific requirements with LCRF. The approved quotation and order documentation define the supplied configuration.