



Dual Band Diplexer

Product Description

These Diplexers allow combination and separation of signals in the 80 - 2170 MHz and 2400 - 2690 MHz wireless bands. To minimize band interreaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands. Attention to mechanical design ensures low passive intermodulation. The Diplexer is designed using passive, proprietary techniques for low loss and high reliability.



form as shown or similar

Features/Benefits

- Combines LTE-2600 with all other Wireless bands down to 80 MHz
- 50dB Input Isolation
- 80W Average LTE Power
- Minimal RF Insertion Loss
- Rugged, High Reliability Design
- Low Passive IM, PIM
- N female connectors
- RoHS compliant

Technical Specifications

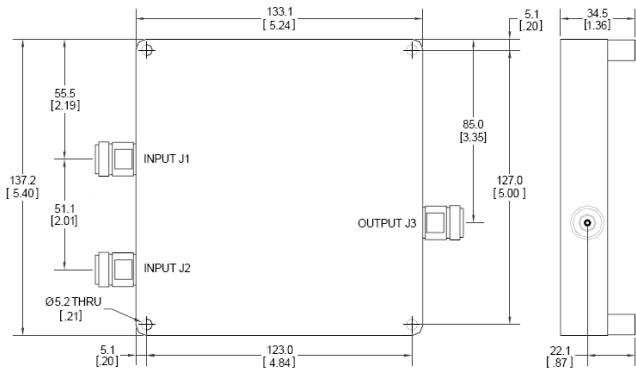
Product Type	Dual Band Diplexer
Application	Indoor
Frequency Range, MHz	80-2170/2400-2690 MHz
Number of Input Ports	2
Number of Output Ports	1
Connectors	N
Input Connector Type	N-female
Output Connector Type	N-female
Impedance, Ohm	50
Insertion Loss, dB	< 0.3 (80-2170MHz), < 0.5 (2400-2690 MHz)
VSWR (50 Ohm)	<1.3:1 max.
Intermodulation (IM3)	<-150 dBc with 2 x 43 dBm tones
Isolation, dB	> 50 in band
Input Power (Splitter mode), W	80, avg. (80-2170MHz), 80, max. (2400-2690MHz)
Max. RF Peak Power, kW	3 (80-2170MHz)
Temperature Range, °C (°F)	-35 to +65 (-31 to 149)
Height (Less Connectors), mm (in)	34.5 (1.36)
Width (Less Connectors), mm (in)	137.2 (5.40)
Length (Less Connectors), mm (in)	133.1 (5.24)
Mounts in 19" (483mm) EIA Rack	No
Weight, kg (lb)	0.78 (1.8)
Environmental Class	IP 64 (IP67 on request)

Notes

Other Documentation



Dual Band Diplexer



All information contained in the present datasheet is subject to confirmation at time of ordering