

C Band Dual Junction SMT Circulator

JC2M4900T6100VM1

Description:

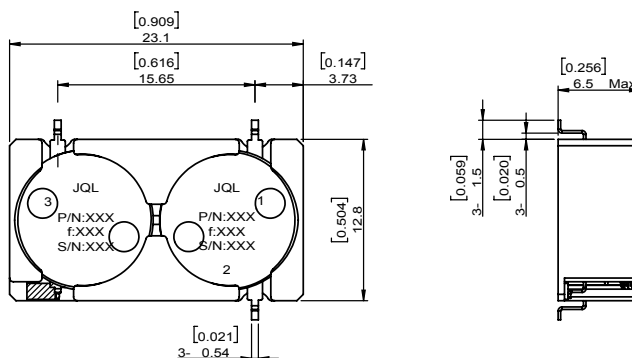


JC2M4900T6100VM1 is a dual junction SMT circulator for high pulse power applications. Dual junction device gives higher isolation, 33 dB from port 3 to 2. This is a robust design for high power satcom amplifier applications.

Electrical Specification

Part Number	JC2M4900T6100VM1
Frequency (GHz)	4.900~6.100
Insertion loss port 1 to port 2, IL1- 2 (dB)MAX	0.50 @5.2~5.8GHz 0.70 @4.9~5.2 & 5.8~6.1GHz 6.00 Min @10.0~12.0 GHz
Insertion loss port 2 to port 3, IL2-3(dB)MAX	0.90 @5.2~5.8GHz 1.50 @4.9~5.2&5.8~6.1GHz 12.0 Min @8.0~10.0GHz
Isolation port 2 to 1, IS2-1(dB)MIN	19.0 @5.2~5.8GHz 17.0 @4.9~5.2&5.8~6.1GHz
Isolation port 1 to 3, IS1-3(dB)MIN	19.0 @5.2~5.8GHz 17.0 @4.9~5.2&5.8~6.1GHz
Isolation port 3 to 1, IS3-1(dB)MIN	19.0 @5.2~5.8GHz 17.0 @4.9~5.2&5.8~6.1GHz
Isolation port 3 to 2, IS3-2(dB)MIN	33.0 @5.2~5.8GHz 26.0 @4.9~5.2&5.8~6.1GHz
Return Loss Ports 1,2,3, RL1-2-3 (dB)MIN	20.0 @5.2~5.8GHz (19.0 @-40~+100) 18.0 @4.9~5.2&5.8~6.1GHz (17.0 @-40~+100)
Operating Temperature	-40°C~100°C
Power FWD/REV/PK(Watt)	25/12/60 PW=150us, DC=15%
Tab(W×LG×THK)(mm[Inch])	0.54[.021]X1.5[.059]X0.2[.0079]

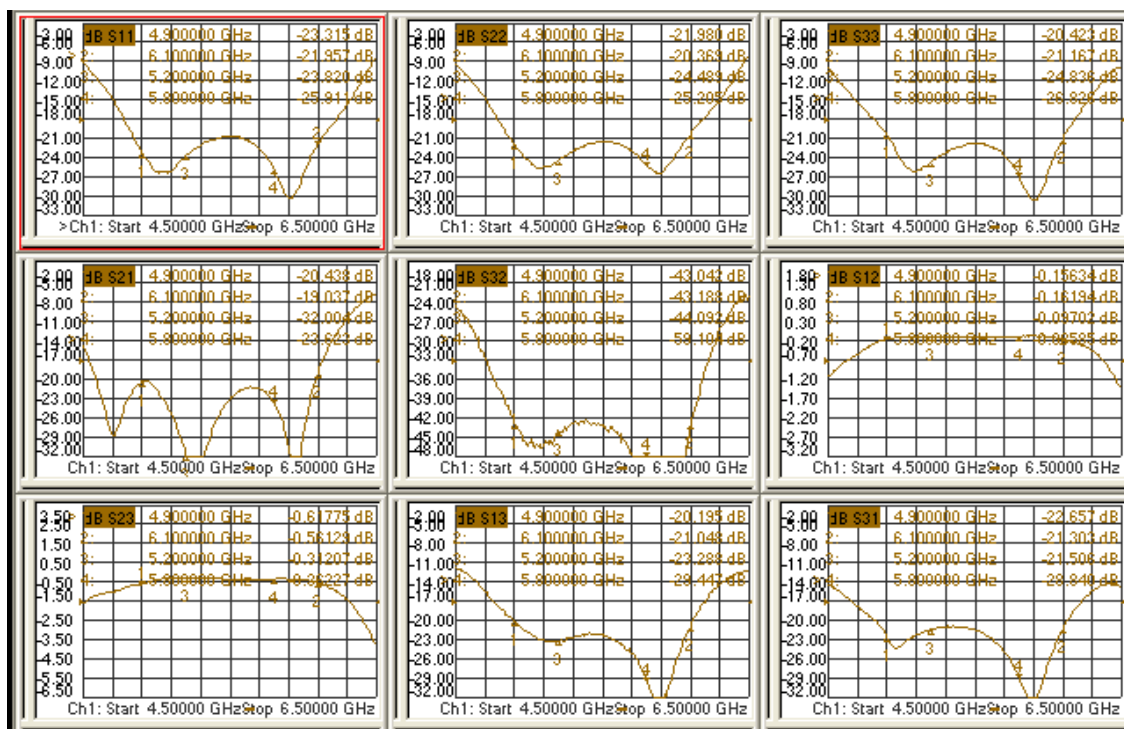
Outline



C Band Dual Junction Circulator

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Test Data



Features

- Small footprint for dual junction
- High isolation
- Low insertionloss
- High pulse power handling capability
- RoHS & REACH compliant

Applications

- SATCOM Infrastructure networks
- Power amplifiers