

C Band Dual Junction Drop-In Circulator

JC2D40T50VM1RC

Description:

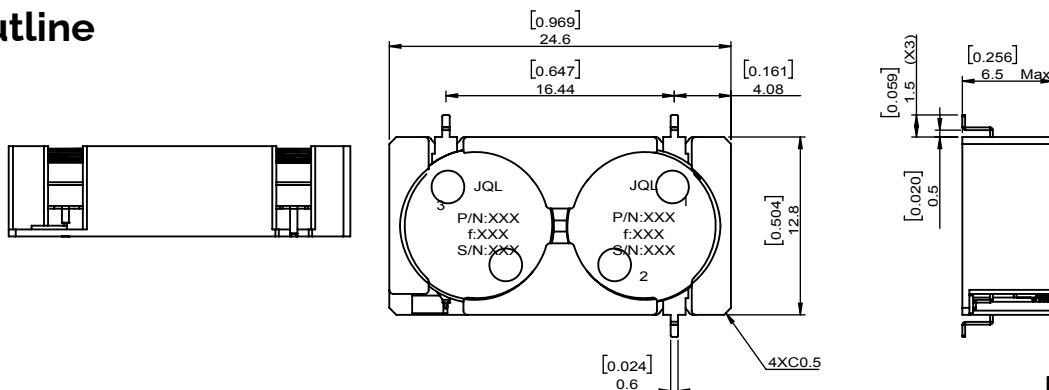


JC2D40T50VM1RC is a dual junction high power circulator for C band radar application. The dual junction topology gives high isolation between port 2 and 3. This product is ideal for pulsed radar applications.

Electrical Specification

Part Number	JC2D40T50VM1RC
Frequency (GHz)	4.000~5.000
Insertion loss port 2 to port 1, IL2- 1 (dB)MAX	0.5 @4.0~5.0GHz 4.00 Min @8.0~12.0GHz
Insertion loss port 3 to port 2, IL3-2(dB)MAX	0.95 @4.0~5.0GHz 10.0 Min @8.0~12.0GHz
Isolation port 1 to 2, IS1-2(dB)MIN	17.0 @4.0~5.0GHz
Isolation port 2 to 3, IS2-3(dB)MIN	34.0 @4.0~5.0GHz
Isolation port 3 to 1, IS3-1(dB)MIN	17.0 @4.0~5.0GHz
Isolation port 1 to 3, IS1-3(dB)MIN	17.0 @4.0~5.0GHz
Return Loss Ports 1,2,3, RL1-2-3 (dB)MIN	18.0 @4.0~5.0GHz
Operating Temperature	-20°C~85°C
Power FWD/REV/PK(Watt)	25/12/60 PW=200us, DC=25%

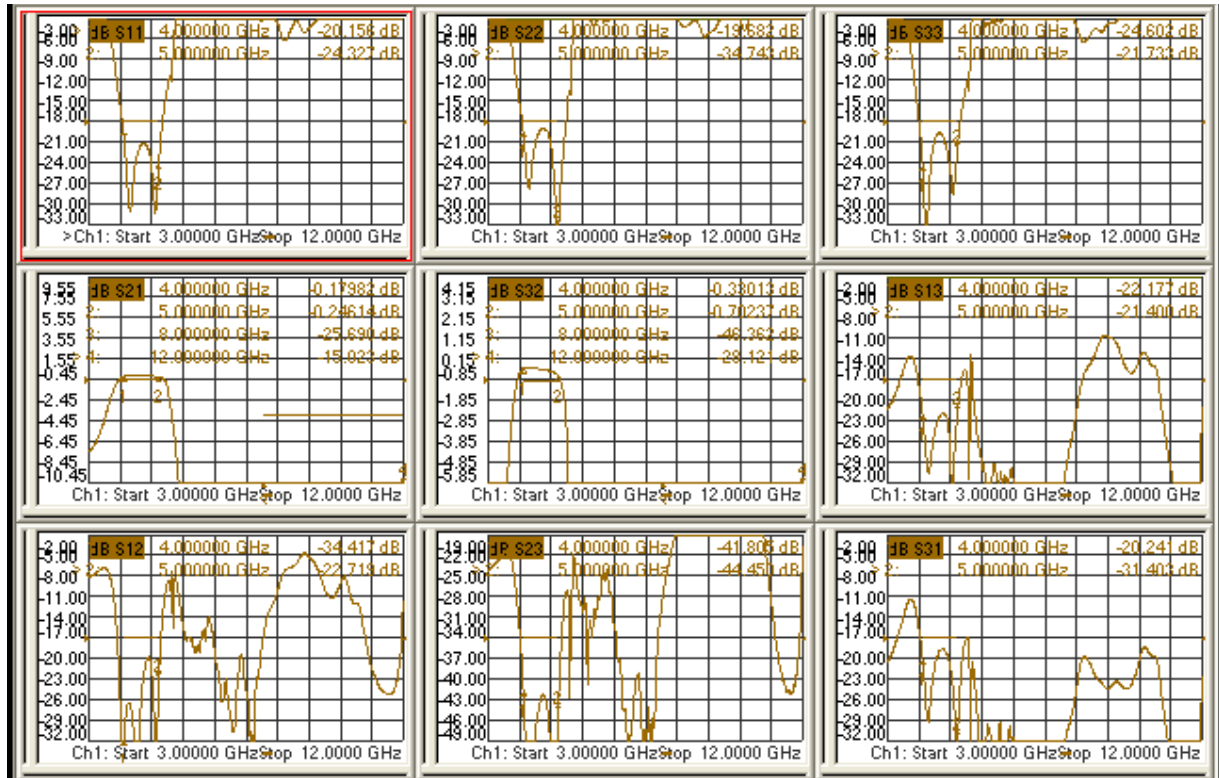
Outline



C Band Dual Junction Drop-In Circulator

JC2D40T50VM1RC

Test Data



Features

- Smaller foot print
- Higher isolation and lower insertion loss
- High Power handling capability
- RoHS & REACH Compliant

Applications

- C Band Pulsed Radar