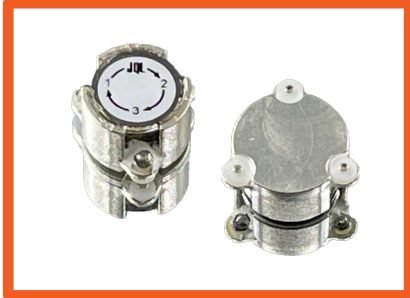


X Band Surface Mount Circulator

JCM8700T10K6XM1

Description:

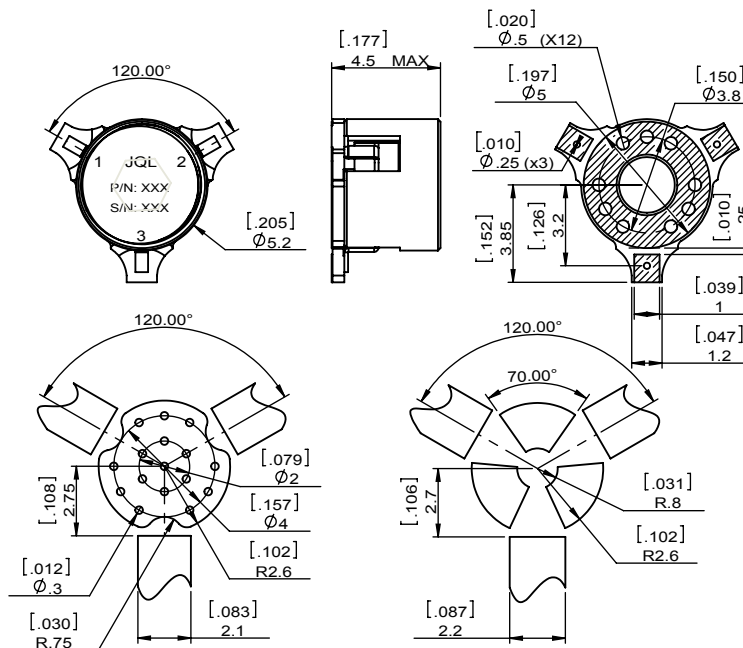


JCM8700T10K6XM1 is a surface mount circulator in the frequency 8.700~10.600 GHz. The device is extremely stable over the temperature range of -40°C to +85°C, with maximum insertion loss of 0.5@25°C & 0.7@-40~+110°C and minimum return loss of 19.0@25°C & 17.7@-40~+110°C. It can handle a CW Power FWD/REV/PK(Watt) of 10/10/20 D.C20%@300 usec

Electrical Specification

Part Number	JCM8700T10K6XM1
Frequency (GHz)	8.700~10.600
Insertion Loss(dB)MAX	0.5@25°C 0.7@-40~+110°C
Isolation(dB)MIN	20.0@25°C 18.0@-40~+110°C
Return Loss(dB)MIN	19.0@25°C 17.7@-40~+110°C
Operating Temperature	-40°C~+110°C
Power FWD/REV/PK(Watt)	10/10/20 D.C20%@300 usec

Outline



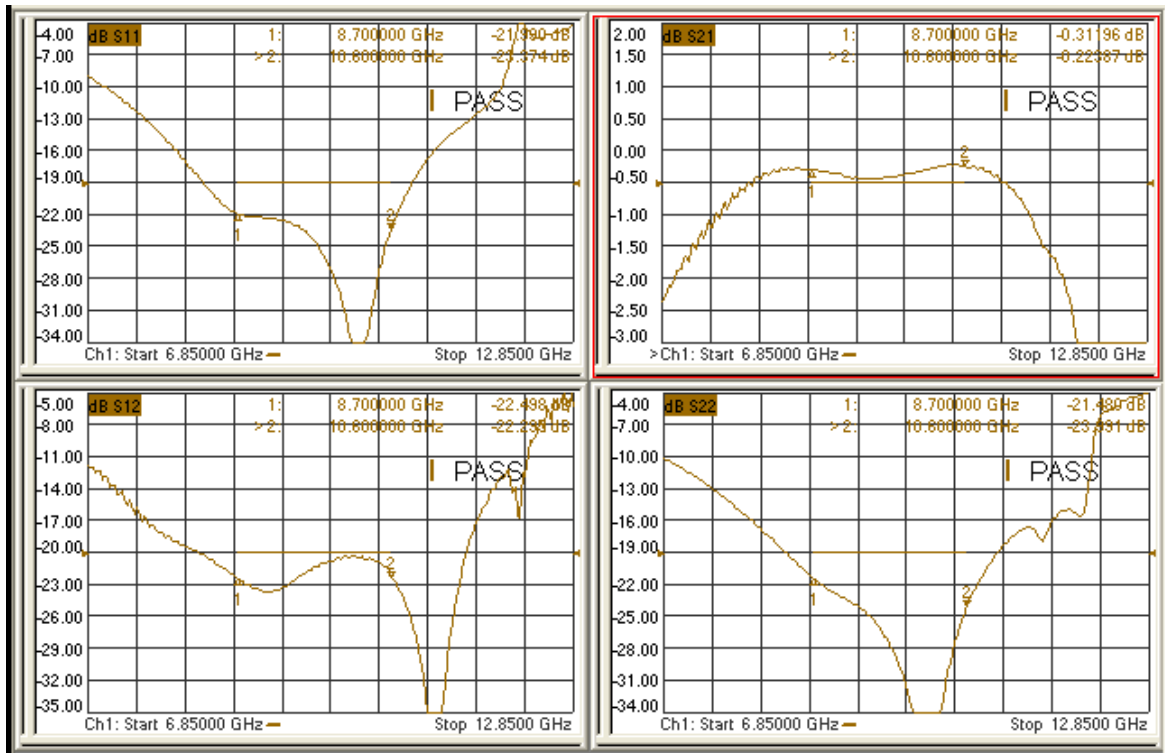
Copper Pattern
The PCB material is
ARLON AD255A

Soldermask Pattern

X Band Surface Mount Circulator

JCM8700T10K6XM1

Test Data



Applications

- Radar

JQL TECHNOLOGIES
TECHNOLOGY ON THE MOVE