Circulator

WVQ-4.55G-0.1GBW03

Product Feature

- High Reliability
- RoHS Compliant
- 4.5GHz ~ 4.6GHz Band System

Electrical Specifications

Frequency Range	4.5 ~ 4.6GHz
Insertion Loss	0.2dB Max
Return Loss	20.0dB Min
Isolation	20.0dB Min
Power Handling	15W CW; Peak 100W @Duty Cycle 15%, Pulse Width 10usec
Transmission Direction	Clockwise
Impedance	50 Ohms Nominal

Environmental Specifications

Operating Temperature Range	-40°C to +105°C
Reflow Temperatures	For Pb-Free reflow profile with peak temperature 260℃@ ≤10 seconds

Mechanical Specifications

Dimension	12.8PI x 6.7 (Unit:mm)
Mounting Points	See Outline Drawing
RF Connector	SMD, 3-Ø1.0
Connector Position	See Outline Drawing

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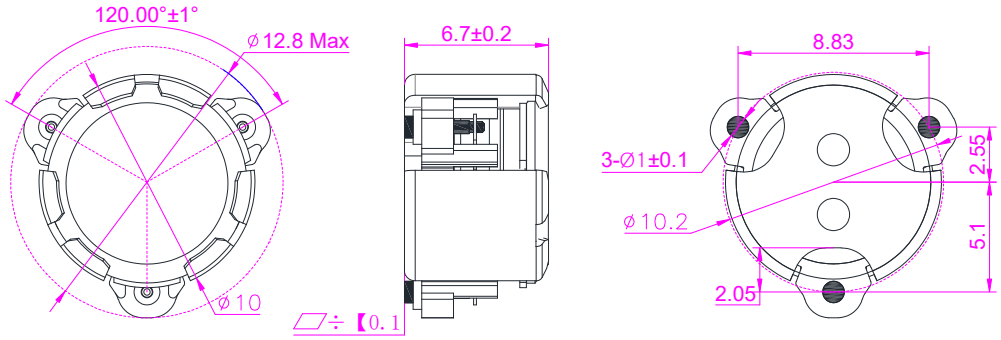
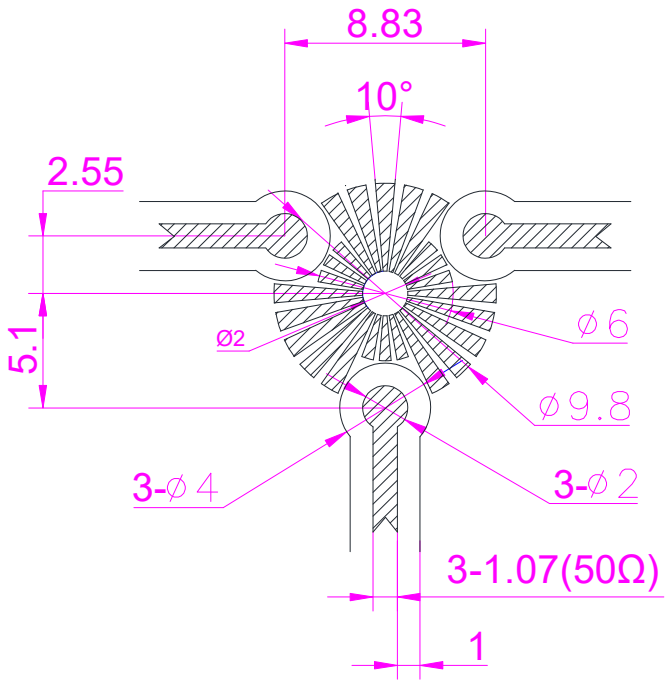
Outline Drawing



RECOMMENDED LAND PATTERN



PCB Materials：Rogers 4350B or S7135
PCB Thickness：20mil (0.508mm)
Land Pattern Diameter：1.0mm+40mil= ∅2.0mm
50Ω Trace Width：1.07mm