

QDC1220D

High Power, High Isolation

Features:

- * High Power
- * High Isolation
- * Low Insertion Loss
- * Low VSWR

Applications:

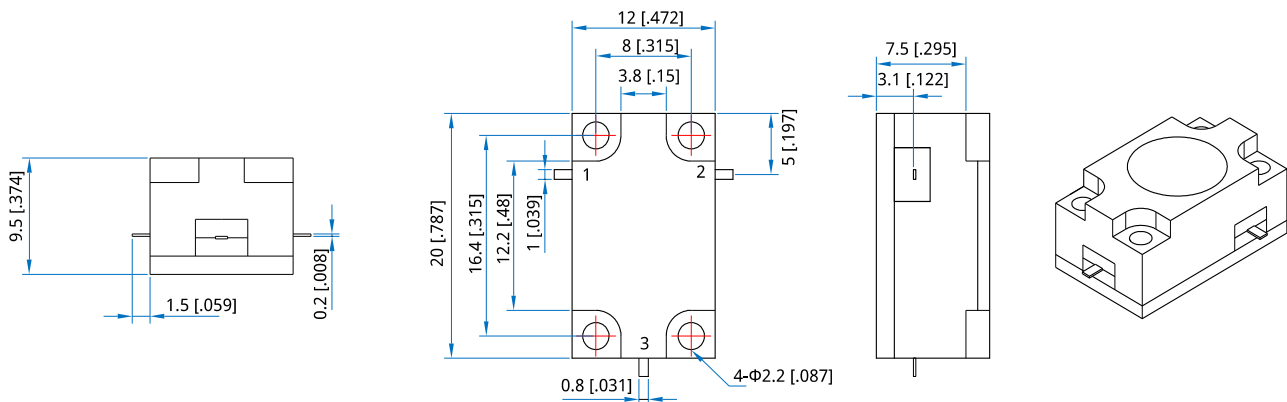
- * Wireless
- * Radar
- * Laboratory Test

Description

QDC1220D series Drop-In Circulators cover frequency range 5~6.5GHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

Specifications

Frequency (MHz)	Bandwidth (MHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Average Power (W)	Temperature (°C)
5100~5900	800	0.50	18.0	1.30	60	-30~+70
5150~5500	350	0.40	20.0	1.25	60	-30~+70
5230~5340	110	0.30	23.0	1.20	60	-30~+70
5400~5900	500	0.40	20.0	1.25	60	-30~+70
5700~5900	200	0.30	23.0	1.20	60	-30~+70
5780~6000	220	0.30	23.0	1.25	60	-30~+70
5800~6500	700	0.40	20.0	1.25	60	-30~+70
6500~7000	500	0.40	20.0	1.25	60	-30~+70

Outline Drawings


Unit: mm [inch] Tolerance: $\pm 0.2\text{mm}$ [$\pm 0.008\text{in}$]

Mechanical

Size*1: 12*20*9.5mm
0.472*0.787*0.374in

Connector Type: Strip line

Mounting: 4-Φ2.2mm through-hole

[1] Exclude connectors

Direction Naming Rules:

- 1 - Clockwise
- 2 - Anticlockwise

How To Order

QDC1220D-W-X-Y-Z

W: Start frequency in MHz

X: Stop frequency in MHz

Y: Average Power in W

Z: Direction type

Examples:

To order a QDC1220D series Circulator, 5.7~6GHz, 50W, Clockwise,
specify QDC1220D-5700-6000-50-1.

Customization is available upon request.