QSC12R5

High Power, High Isolation

Features:
* High Power
* High Isolation
* Low Insertion Loss
* Low VSWR

Applications:
* Wireless
* Radar
* Laboratory Test

Description

QSC12R5 series Surface Mount Circulators cover frequency range 790~5900MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

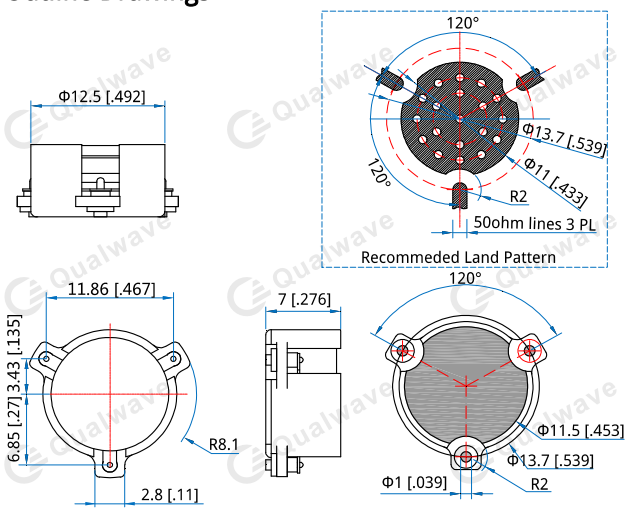
Specifications

Frequency (MHz)	Bandwidth (MHz)	IL (dB Max.)	Isolation (dB Min.)	VSWR (Max.)	Average Power (W)	Temperature (°C)
790-810	20	0.40	20.0	1.25	60	-40 ~ +85
800-830	30	0.40	20.0	1.25	60	-40 ~ +85
900-930	30	0.40	20.0	1.25	100	-40 ~ +85
930-960	30	0.30	20.0	1.25	100	-40 ~ +85
1420-1450	30	0.40	20.0	1.25	60	-40 ~ +85
1710-1785	75	0.40	20.0	1.25	100	-40 ~ +85
1805-1880	75	0.40	20.0	1.25	100	-40 ~ +85
1930-1990	60	0.30	23.0	1.20	100	-40 ~ +85
2110-2170	60	0.30	23.0	1.20	100	-40 ~ +85
2300-2700	400	0.55	18.0	1.30	60	-30 ~ +70
2400-2500	100	0.30	21.0	1.20	30	-40 ~ +85
3300-3800	500	0.50	18.0	1.30	60	-30 ~ +70
4200-4400	200	0.60	18.0	1.30	50	-55 ~ +85
4400-5000	600	0.50	18.0	1.30	60	-40 ~ +85
5700-5900	200	0.40	20.0	1.25	60	-40 ~ +85

Mechanical

Size: Φ12.5*7mm
Φ0.492*0.276in

Outline Drawings



Unit: mm [inch] Tolerance: ±0.2mm [±0.008in]

How To Order

QSC12R5-W-X-Y-Z

W: Start frequency in MHz
X: Stop frequency in MHz
Y: Average power in W
Z: Direction type

Direction Naming Rules:

1 - Clockwise
2 - Anticlockwise

Examples:
To order a QSC12R5 series Circulator, 0.79~0.81GHz, 60W, Clockwise, specify QSC12R5-790-810-60-1.

Customization is available upon request.