

# QSC12R3A

## High Power, High Isolation

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

Applications:  
 \* Wireless  
 \* Radar  
 \* Laboratory Test

### Description

QSC12R3A series Surface Mount Circulators cover frequency range 1400~6000MHz. 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)
3300-3600	300	0.30	20.0	1.25	100	-40 ~ +85
4800-5600	800	0.80	18.0	1.30	10	-40 ~ +85
5000-6000	1000	0.50	18.0	1.30	60	-40 ~ +85
5500-6000	500	0.40	20.0	1.25	60	-40 ~ +85

### Mechanical

Size:  $\Phi 12.3 \times 7 \text{mm}$   
 $\Phi 0.484 \times 0.276 \text{in}$

### How To Order

#### QSC12R3A-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:

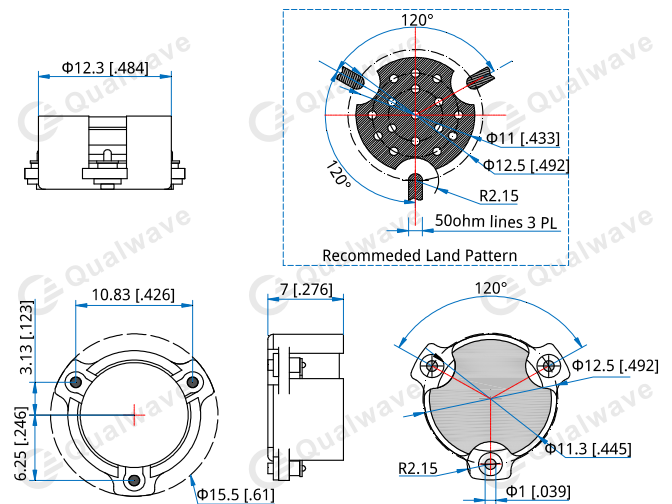
- 1 - Clockwise
- 2 - Anticlockwise

### Examples:

To order a QSC12R3A series Circulator, 3.3~3.6GHz, 100W, Clockwise, specify QSC12R3A-3300-3600-100-1.

Customization is available upon request.

### Outline Drawings



Unit: mm [inch]

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