

QSC15

High Power, High Isolation

Features:

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

Applications:

- * Wireless
- * Radar
- * Laboratory Test

Description

QSC15 series Surface Mount Circulators cover frequency range 1400~3600MHz. 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)
800 ~ 870	70	0.6	18	1.3	60	-40 ~ +85
900 ~ 930	30	0.4	20	1.25	60	-40 ~ +85
1300 ~ 1400	100	0.6	18	1.3	60	-40 ~ +85
1400 ~ 1500	100	0.6	18	1.3	60	-40 ~ +85
1710 ~ 1880	170	0.5	20	1.25	60	-40 ~ +85
1800 ~ 2200	400	0.5	18	1.3	60	-40 ~ +85
1805 ~ 1880	75	0.4	20	1.25	60	-40 ~ +85
1805 ~ 1920	115	0.4	20	1.25	60	-40 ~ +85
1880 ~ 1920	40	0.3	23	1.2	60	-40 ~ +85
1980 ~ 2010	30	0.3	23	1.2	60	-40 ~ +85
2110 ~ 2170	60	0.3	23	1.2	60	-40 ~ +85
2170 ~ 2200	30	0.3	23	1.2	60	-40 ~ +85
2200 ~ 2500	300	0.4	20	1.25	60	-40 ~ +85
2300 ~ 2400	100	0.3	23	1.2	60	-40 ~ +85
2300 ~ 2700	390	0.5	18	1.3	60	-40 ~ +85
2320 ~ 2370	50	0.3	23	1.2	60	-40 ~ +85
2400 ~ 2500	100	0.3	23	1.2	60	-40 ~ +85
2496 ~ 2696	200	0.3	23	1.2	60	-40 ~ +85
2500 ~ 2700	200	0.3	23	1.2	60	-40 ~ +85
3300 ~ 3500	200	0.35	20	1.2	60	-40 ~ +85
3300 ~ 3800	500	0.5	19	1.25	60	-40 ~ +85
3400 ~ 3600	200	0.3	23	1.2	60	-40 ~ +85
3500 ~ 3650	150	0.35	21	1.2	60	-40 ~ +85

Mechanical

Size: $\Phi 15.2 \times 7\text{mm}$
 $\Phi 0.598 \times 0.276\text{in}$

How To Order

QSC15-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

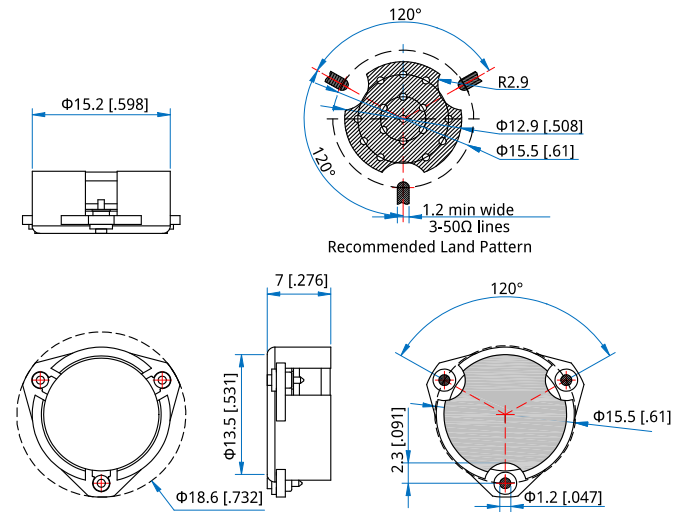
2 - Anticlockwise

Examples:

To order a QSC15 series Circulator, 3.3~3.5GHz, 60W, Clockwise, specify QSC15-3300-3500-60-1.

Customization is available upon request.

Outline Drawings



Unit: mm [inch]

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