

## QSCA

### High Power, High Isolation

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

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

#### Description

QSCA series Surface Mount Circulators cover frequency range 410~3500MHz. High power, high isolation and low insertion loss make it ideal for a lot of applications like amplifiers, transceivers, etc.

#### Specifications

Part Number	Frequency Range (MHz)	Insertion Loss (dB, max.)	Isolation (dB, min.)	VSWR (max.)	Temperature (°C)
QSCA-410-420	410~420	0.5	20	1.25	-20 ~ +65
QSCA-430-440	430~440	0.5	20	1.25	-20 ~ +65
QSCA-490-510	490~510	0.5	20	1.25	-20 ~ +65
QSCA-600-640	600~640	0.4	20	1.25	-20 ~ +65
QSCA-700-750	700~750	0.3	23	1.2	-30 ~ +70
QSCA-700-800	700~800	0.4	20	1.25	-30 ~ +70
QSCA-830-915	830~915	0.35	23	1.2	-40 ~ +70
QSCA-860-960	860~960	0.35	20	1.25	-30 ~ +70
QSCA-869-894	869~894	0.3	23	1.2	-40 ~ +85
QSCA-925-960	925~960	0.3	23	1.2	-40 ~ +85
QSCA-960-1230	960~1230	0.5	18	1.3	-30 ~ +70
QSCA-1200-1300	1200~1300	0.35	21	1.2	-40 ~ +85
QSCA-1400-1600	1400~1600	0.35	21	1.25	-30 ~ +70
QSCA-1500-1700	1500~1700	0.35	21	1.25	-30 ~ +70
QSCA-1700-1900	1700~1900	0.35	21	1.25	-30 ~ +70
QSCA-1710-1880	1710~1880	0.35	21	1.2	-40 ~ +85
QSCA-1805-1990	1805~1990	0.35	21	1.2	-40 ~ +85
QSCA-1900-2200	1900~2200	0.35	21	1.25	-30 ~ +70
QSCA-2300-2500	2300~2500	0.3	23	1.2	-40 ~ +85
QSCA-2300-2700	2300~2700	0.4	20	1.25	-30 ~ +70
QSCA-2400-2600	2400~2600	0.3	23	1.2	-30 ~ +70
QSCA-2500-2700	2500~2700	0.3	23	1.2	-40 ~ +85
QSCA-2700-3100	2700~3100	0.4	20	1.25	-30 ~ +70
QSCA-3150-3250	3150~3250	0.3	23	1.2	-40 ~ +85

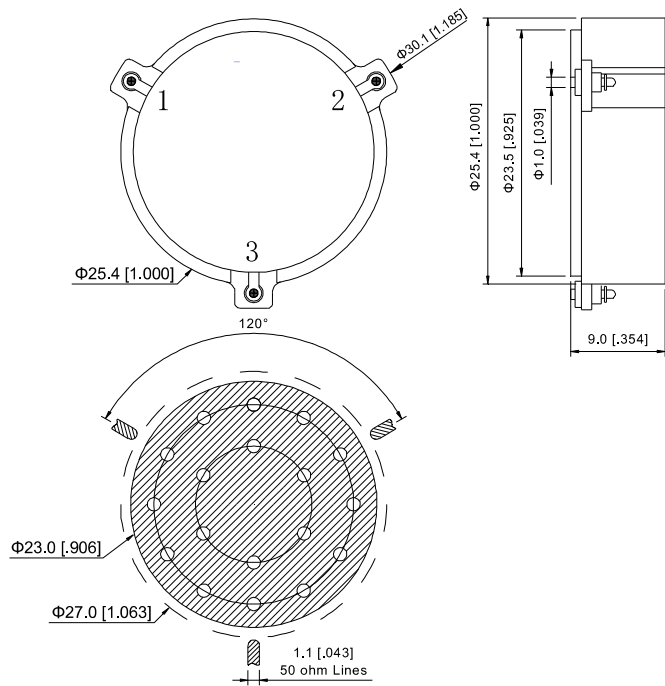
#### Power Handling

Forward Power: 100W  
 Reverse Power: 100W

#### Mechanical

Size:  $\Phi$ 30.1\*9.0mm  
 $\Phi$ 1.185\*0.354in

Outline Drawings



Unit: mm [inch]

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

**How To Order**

**QSCA-X-Y**

X: Start frequency in MHz

Y: Stop frequency in MHz

Examples:

To order a QSCA series circulator, 410-420MHz, specify QSCA-410-420.

Customization is available upon request.