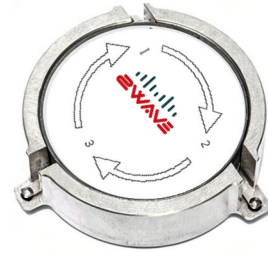


360 to 390MHz Surface Mount Circulator

Industry Applications

- Communication System Devices
- Detection & Satellite Equipment
- Test & Measurement:
- High-end Industrial & Military Scenarios
- Customization Available



Product Description

- High-performance surface mount circulator with miniaturized SMD structure for automated assembly and high-density RF circuit integration.
- Adopts microwave non-reciprocal transmission principle to achieve unidirectional signal transmission, blocking reverse signal backflow and crosstalk.
- Optimized precision electromagnetic structure provides superior impedance matching, high port isolation and excellent signal stability.
- Core SMD RF component for transceiver signal isolation and circuit anti-interference protection, improving system operating reliability.
- Surface mount circulator series features low insertion loss design to minimize signal attenuation and ensure high-efficiency microwave signal transmission.

RF Characteristics

Name	Unit	Performance Data
Frequency Range	MHz	360-390
Insertion Loss	dB Max	0.25 (Temp +25℃) ; 0.30 (Temp -40℃~+90℃)
Isolation	dB Min	23.0 (Temp+25℃) ; 20.0 (Temp -40℃~+90℃)
VSWR	Min	1.20 (Temp +25℃) ; 1.25 (Temp -40℃~+90℃)
Operation Power	W	300
Connector Type		SMD
Operating Temperature Range	℃	-40℃~+90℃
Storage Temperature Range	℃	-55℃~+125℃
Intermodulation Distortion (IMD)	dBc	≤-70dBc@2x43dBm
Direction of circulation		Clockwise(CW)
Finish		Original Color
Material		Aluminum

Quality Standards

- Standardized Production: Manufactured strictly in accordance with international RF microwave component specifications and industry unified quality standards.
- Full-item Parameter Testing: All core indicators including frequency band, VSWR, interface size and electrical performance are strictly calibrated and tested before delivery.
- Qualified Surface Treatment Process: Internal chromate conversion and external anti-corrosion paint processes meet industrial standards, guaranteeing long-term stable electrical performance and structural durability.
- Strict Environmental Reliability Test: Finished products pass high and low temperature cycling tests to verify extreme environment adaptability.
- Batch Quality Stability: 100% full-performance inspection for all finished products, meeting commercial, industrial and military-grade equipment matching requirements
- We provide a 12-month warranty for all products.

Mechanical Drawing

Unit: mm/ inch, General part tolerance is $\pm 2\%$ unless otherwise stated.

