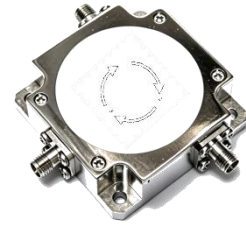


470 to 700MHz Coaxial Circulator

Industry Applications

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



Product Description

- High-performance coaxial circulator with integrated compact structure for flexible installation and seamless integration into RF and microwave systems.
- Adopts microwave non-reciprocal transmission principle to achieve unidirectional signal propagation, effectively blocking reverse signal backflow and interference crosstalk.
- Optimized internal electromagnetic structure provides excellent impedance matching, high port isolation and outstanding signal stability.
- Essential passive RF component for transceiver isolation, signal separation and circuit protection, greatly enhancing overall system reliability.
- Coaxial circulator series features low insertion loss performance to reduce signal attenuation and maintain high-efficiency microwave signal transmission.

RF Characteristics

Name	Unit	Performance Data
Frequency Range	MHz	470-700
Insertion Loss	dB Max	0.5
Isolation	dB Min	16
VSWR	Min	1.4
Operation Power	W	400
Connector Type	/	3P-SMA Female
Operating Temperature Range	°C	-30°C-+75°C
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.

