RADITEK INC.

RoHS COMPLIANT

COAXIAL ISOLATORS and CIRCULATORS 26MHz – 50GHz

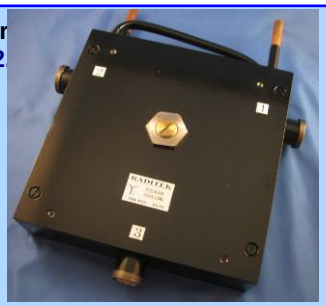
Ferrite isolators and circulators to satisfy specific system requirements for reliability, cost, and size

Optimally tuned to the highest specifications, they contain all the necessary matching and tuning elements in a shielded housing.

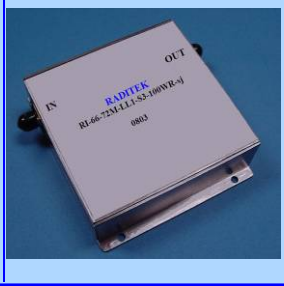
High Power

2.2 Kilo Watts Coaxial Circulator, 321.5-322.5MHz, 7/16 and 1 5/8 - Female Connectors, , Counter-Clockwise Rotation, Water Cooled For operating frequencies up to 1.0GHz coaxial isolators and circulators are available that can handle power up to 3500 watts with bandwidth up to 30% of the center frequency.

2.2 Kilo Watts Coaxial Circulator 80-81MHz, 7/16- e Connectors, 2 Kilo Watts, Counter-Clockwise Rotation, Water Cooled

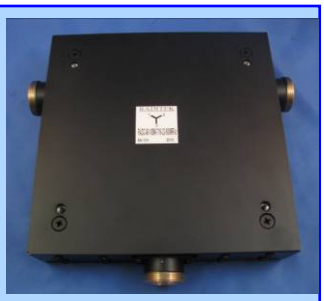


High Power



LL1 Isolator model for Digital T.V. Transmitters has 5 options covering TV channels 2-6, covering 49 to 88 MHz with a 6 MHz Bandwidth. These units can handle 100 Watts forward and reverse load power. Electrical Specifications: Insertion loss <0.8 dB, Isolation >18 dB, VSWR 1.25:1.

Full VHF/FM Radio Band Broadcast, Transmitter Coaxial Circulator operating from 88-108MHz at 500Watts Reverse and Forward Power handling with 7/16 Female Connectors. Forced Air cooling, Max temperature of the device body +60C Dimensions: 175(W) x 175(L) 45(T) mm.



Our portfolio ranges from customized niche products to standard devices for

- *Satcom all bands: L, S, C, X, Ku, Ka*
- *Point to Point Radios: 2G, 4G, 6G, 7G, 8G, 18G, 24G, 26G, 38G*
- *TV Transmitters band I, III, IV and V VHF and UHF*
- *FM broadcasting Transmitters: 88-108MHz*
- *Mobile and Cellular PCS, WLAN, WiFi and WiMax radio base stations*
- *MRI Imaging*
- *industrial heating*

Milliwave

K / 2.9 connector Coaxial Isolator and Circulator Family
spans 17 to 45GHz with up to 3GHz bandwidth, 1, 2 or 5 Watts

Wide Band models feature the exceptional 18-40GHz Full Band

Tri-Band Coaxial Isolator or Circulator 5.8-14.5GHz
C, X and Ku Bands in one unit.
5.8-6.45, 7.9-8.4, 140-14.5GHz

2.4 connector Coaxial Isolators and Circulators Family
40-45 GHz, 1-2GHz Bandwidth , 1, 2 Watts

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COAXIAL ISOLATORS and CIRCULATORS 26MHz – 50GHz

Octave / Octave Plus

Octave and Octave plus

Cost effective solution for wide band frequency applications.

Popular Octave frequencies, 500-1000MHz, 800-2000MHz, 1500-3000MHz, 1.0-2.0GHz, 2.0-4.4.0GHz, 3.0-6.0GHz, 4.0-8.0GHz, 6-12GHz and 8.0-18GHz.

Popular Octave Plus frequencies, 1.0-2.5, 2.0-6.0GHz, 4.0-12.0GHz, 6-18GHz and 8.0-18GHz

Peripheral Mode

Ultra Wideband Peripheral Mode multi octave Isolator

Standard Frequency Bands are 1-3, 1-4.3, 2-6, 2-8.2, 3.2-8.3 and 8-18 GHz

Featuring the revolutionary / unique 2.0-18.0GHz Full Band Isolator

Cryogenic

Cryogenic Isolators and Circulators for Radio Astronomy, Radiometers and Electrical spin resonance measurement systems.
Operate at 4-77 degrees Kelvin. (-269 to -196 degrees Centigrade)
Standard Specifications are as follows: Frequency, 4.0-8.0 GHz | Insertion loss, 0.4 dB | Isolation, 18dB | VSWR, 1.30:1 | Rated power (forward), 10 Watts | Rated power (reverse), 1 Watt | Operating temperature, 4-77 ºK | Non operating, -42 to 85 ºC | Finish, Bright Nickel plated finish. Dimensions: (w) 28.6 x (h) 48.2 x (t) 16.5 mm

Many other models spanning 500MHz-26.5GHz

UHF

FF1 Series is a 380-515MHz, 10% Bandwidth Isolator or Circulator with 100 watts forward and 10 watts reverse power handling typical. Operating over the full temperature range of 20 to +80°C with dimensions of 22 X 45.47 X 15.24 millimeters. Specifications over temperature are insertion loss 0.4dB, isolation 22dB, and VSWR 1.2:1 maximum

Cellular-PCS

ee1 Series 640MHz-2.5GHz at 10-20 % Bandwidth most economical for PCS, Cellular, DMB, and Wi-Max applications. These cover -20 to +85 degrees C. SMA or N-Type Connectors available. It has better than 20 dB return loss and 21 dB isolation, and can handle 120W forward and 35W reverse power and up to 500W peak power.

WiMax / LAN

Coaxial Circulator or Isolator, 2.0-6.0GHz, Split Bands
N-Type Connectors,
2, 50 or 100 Watts

2.0-3.0GHz
2.3-3.9GHz
2.5-6.0GHz

Typical Specs
<0.5dB Insertion Loss
>18dB Isolation
<1.35:1 VSWR

Microwave

5.8-27 GHz at 10-20% Bandwidth bb1 Series 1-2 Watts Reverse power and 10 Watts Forward power. Connector options include SMA, 3.5 and 2.9(K).

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