

RADITEK SOLUTIONS-*Passive*

RADITEK specializes in Design, Development, Manufacturing of "HIGH VOLUME / LOWEST COST" Wireless and Microwave Components and Sub Assemblies

Cellular / UMTS / 3G / PCS Base Station – Military – RFID – Broadband - Wi-Fi – WiMax - Wireless

Isolators & Circulators:

- Stripline (25MHz to 15GHz): Cellular, DCS, PCS, UMTS, WI-MAX, RFID bands
- Microstrip on carrier (2-60 GHz): including the Fuji (FDK) compatible RDKF 2-30 GHz Series
- Microstrip Substrate-only (2-60 GHz): mounting directly to Chassis or circuit board
- Coaxial (25MHz to 45GHz): a wide range of narrow band to multi-octave, SMA, N, K, 2.4 connectors insulating 2-18GHz
- Cryogenic models: 4-77°K Std. 0.01-4°K Covering 1-26GHz Coaxial / 7-50GHz Waveguide
- Waveguide (1.12 to 120GHz): virtually any flange, low to high power, very low loss
- Lumped Element: Low cost surface mount 5 and 7mm Square, specific frequency bands

Filters, Duplexers & Triplexers:

- Ceramic Filters-Duplexers
- Connectorized Cavity Filters-Duplexers
- SAW BPF Filters

Filters, Duplexers & Triplexers:

- Low Pass Filter
- Single Phase Filter
- Waveguide Filter

Splitters, Combiners / Power Dividers ,Couplers & Quadrature Hybrids:

- Power Dividers: 2 way up to 16-way, low and high power, connectorized.
- Quadrature Hybrids, Couplers Broadband, high power
- Connectorized Couplers and Hybrids (to >100W).
- Overpass: Crossover DC Lines, RF Signal

Connectors, Adapters, & cable Assemblies:

- Adapters (Inter / Intra Series)
- Cable Assemblies
- Connectors
- Terminations
- Attenuators
- Waveguide Components (2 to 90GHz)
- Lightning Protectors



Cavity Filters and Dplexers Model shown is a filter designed to meet out of band emissions for 2.3-2.4GHz Wi-Max transmissions



Weatherproof 2 way Splitter Combiner. To connect a mast top Antenna to two Transceivers. (HOT STANDBY) Either an equal split or at a 3:1 ratio



Ultra low IMD Isolators and Circulators <-90dBc (2x 30Watt) Typical. Unbeatable performance at an unbeatable price.



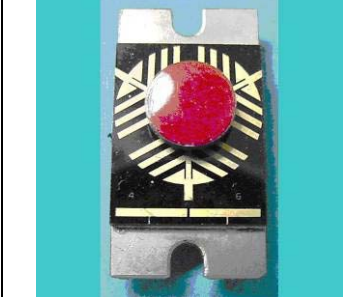
High power couplers Low insertion loss, and low VSWR. This is a Cellular 30 dB coupler designed for monitoring HP PA



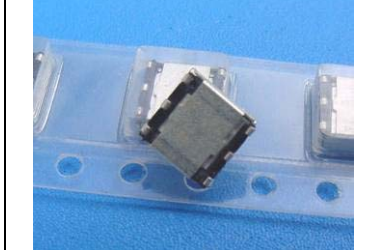
Wide Band Coaxial Isolator Peripheral Mode >3 Octaves Coverage 2GHz to 18GHz, With or Without Mounting Holes



Microstrip RADC MS Circulator MS21 & MS31 17-43GHz 1-4 GHz Bandwidth, 2 Watts



Microstrip RDKF 2 hole Isolator 2-36 GHz , up to 24% bandwidth, 0.25W to 25W. Drop-in replacements for FDK and TDK etc.

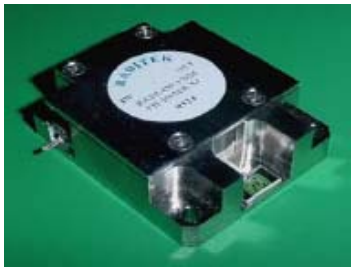


Lumped Element SMT Isolator 5mm, 7mm, 19 specific frequencies ranging from 800 to 2700MHz., Covers all cell and PCS Bands

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Stripline Isolator's and Circulators

400 MHz 100W



Stripline Isolator's and Circulators

700-3500MHz coverage, 300W Forward power, 110W reverse power, load and 20 / 30 dB Attenuator models



Waveguide Isolators and Circulators to 200GHz

Many Form Factors. And Flange types available

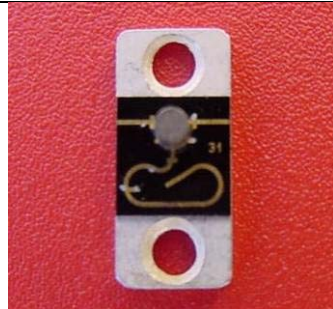


Waveguide Dual Channel Rotary Joint

5.2-5.4 GHz/ 5.4-5.9GHz, WR187 Package, 900 Watts Average, 9 Kilowatts Peak



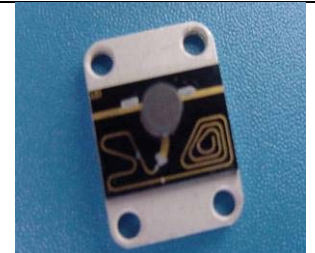
Microstrip RDKC 4 hole Circulator
2-36 GHz , to 24% bandwidth. 0.25W to 25W **Drop-in replacements for FDK and TDK etc.**



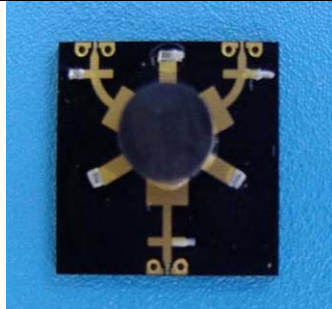
Microstrip RADI 2 hole Isolator
27-45 GHz , 1-4GHz Bandwidth, 0.5-2Watts, RADI-29-31-MS-0.5WR
Dimensions: 5x11x4.3mm



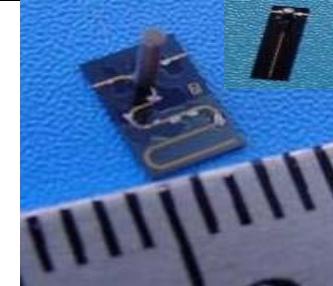
Duplexer, GSM Band 880-960MHz SMT. Bandwidth of 25 MHz, in band insertion loss of 3.5dB and rejection of 50dB. a cost effective solution.



Microstrip Isolators and Circulators to 150GHz. Thin Film, Gold on Copper, many form factors, With and without Carrier



Microstrip RADC MSS Circulator
High Power C-Band 5.2-5.95 GHz, 20 Watts,
Dimensions: 12x12x3mm



Microstrip Circulator Substrate only
17.2-18.2 GHz (left) and 54-78 GHz, Collision Avoidance (right).



Microstrip RADI MSSM Isolator
Metal Backed Substrate on Carrier 2.0-55GHz 0.25-20W
Dimensions: 5x7x4mm



High volume Stripline isolator and circulator. Low loss
IMT2000 band model shown

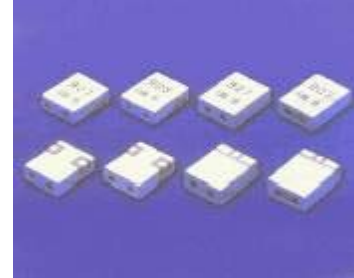


Wide Band 18-40 GHz Isolators

Full or Split Bands
K(2.9)Connectors, 2 Watts,
Thermal Vacuum Environment



Narrow Band 17-40 GHz Circulators 5% Bandwidth Standard,
K(2.9) Connectors: Dimensions with out Connectors: 8.0x18.0x16.4mm



Filters Ceramic: LP, HP, BPF, Diplexer



Flexible and Twistable Waveguides

operates 2.6 to 40 GHz over thirteen frequency bands.