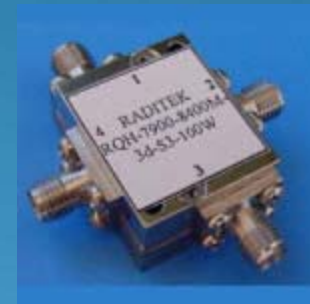
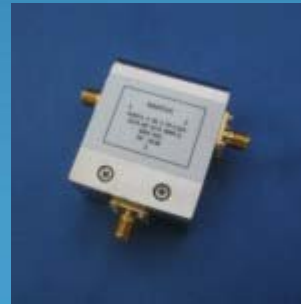


RADITEK inc

Component Presentation



RADITEK inc

- RADITEK was founded in 1993
- Founders:
- Malcolm Lee (President and CTO)
- Peter Corbett (COO)
- Manufacturing Telecom and Wireless
 - Components
 - Active Sub Assemblies
 - Systems for Satcom, Terrestrial Microwave

RADITEK inc



- PASSIVE COMPONENTS
- Isolators and Circulators
 - High power coax, Lumped Element, Stripline drop-in, microstrip and waveguide to 90GHz.
- Splitters, Combiners and Couplers
 - Coax, multi way, couplers, high power etc
- Filters
 - Comblines, SAW, waveguide, duplexers etc

Contents..

- **Section 1 Isolators and Circulators**
- **Section 2 Filters (Cavity, Comblines etc)**
- **Section 3 Broadband couplers and splitters**

ISOLATORS & CIRCULATORS

Section 1

RADITEK inc

RADITEK has the widest range of Isolators & Circulators of anyone in the world

- *Isolators are typically used to protect solid state amplifiers from being destroyed by reverse power*
- **Isolators & Circulators come in 5 main types**

Stripline , Microstrip, Coaxial, Waveguide, Lumped Element.
RADITEK SUPPLIES THEM ALL

FREQUENCIES: 20 MHz to 130 GHz

POWERS: mille Watts to KILO Watts

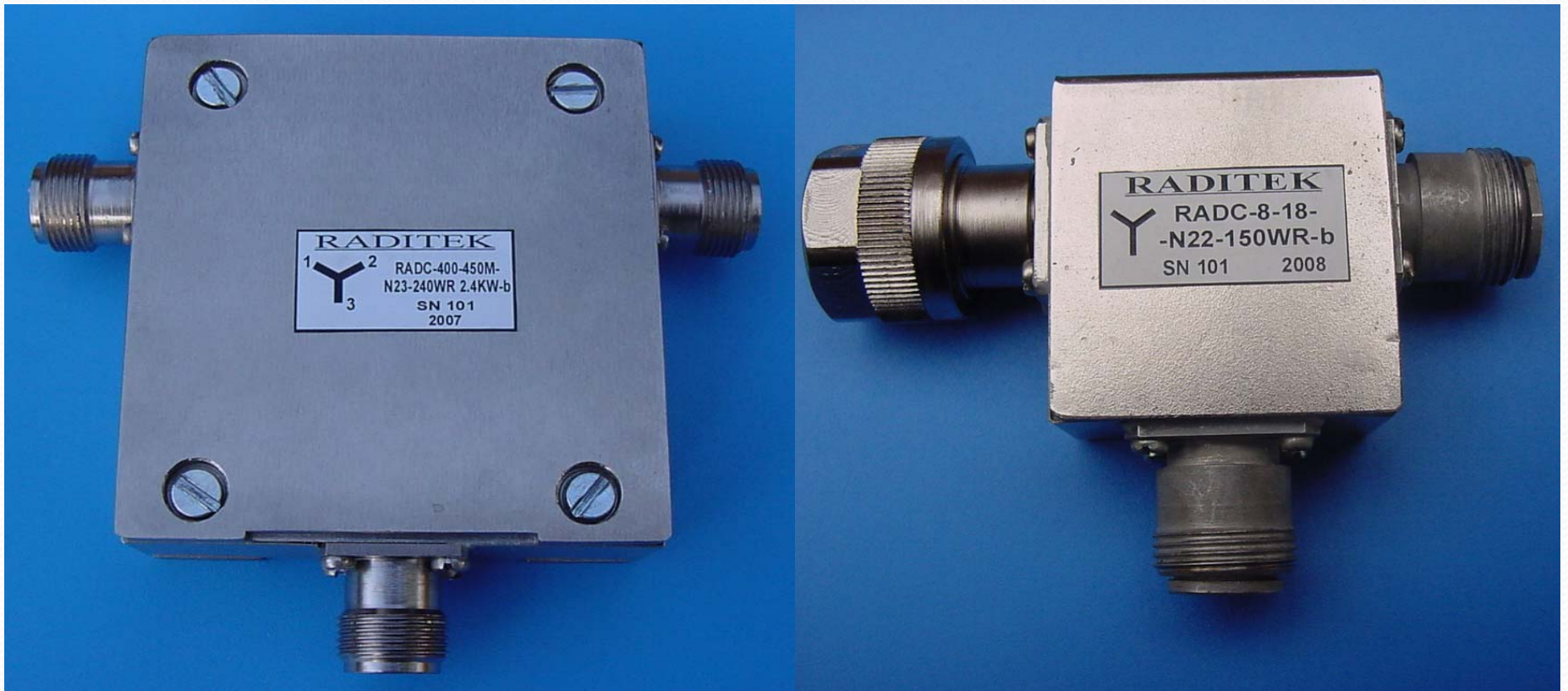
Isolator & Circulator products:

- **Microstrip drop-in-**
 - Many models: coverage 2 to 77GHz
- **Stripline drop-in-**
 - “SS” model, Samarium Cobalt side magnets to 3.8GHz
 - Medium IMD, to 200W power
 - “TT” model, Samarium Cobalt top magnets
 - ‘TW’ model, new high volume, low cost
- **Coaxial (connectorized to mm wave)**
 - SMA, N, K connectors >45GHz
- **RLEI** (miniature, SMT, lumped element)
 - 5mm, 7mm many Cell bands standard frequencies
- **Waveguide to mm wave (to >100GHz) frequencies**



Why RADITEK?

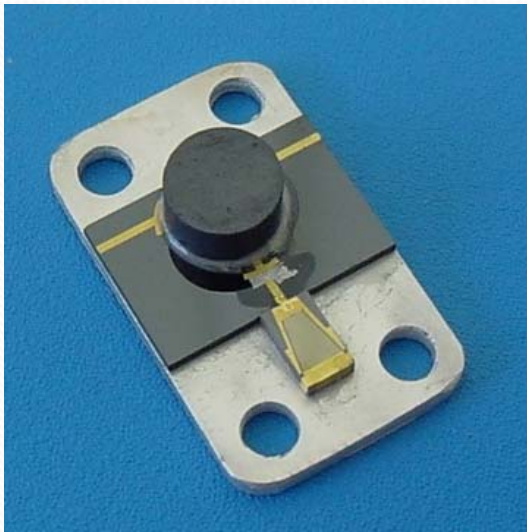
Probably the widest range of high performance isolator and circulator products,
In the world.....COAXIAL Examples....To MW pulsed power!



400-450MHz Band High Power 2.4KW

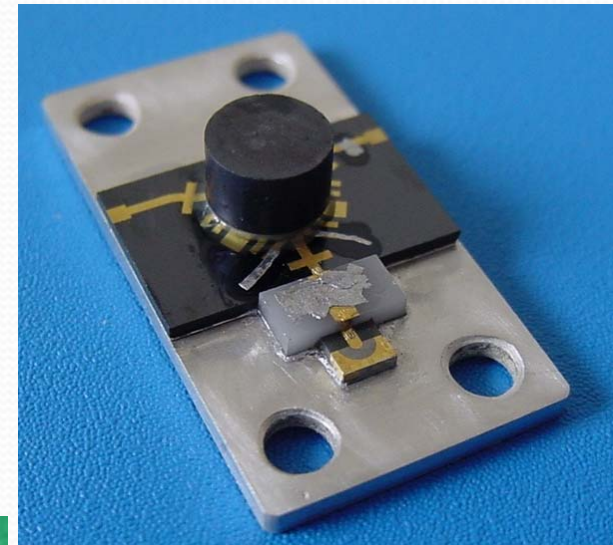
8 to 18GHz high power (150W)

Microstrips:



Isolators and circulators
from 3 GHz to >80GHz

77GHz Microstrip
(below)



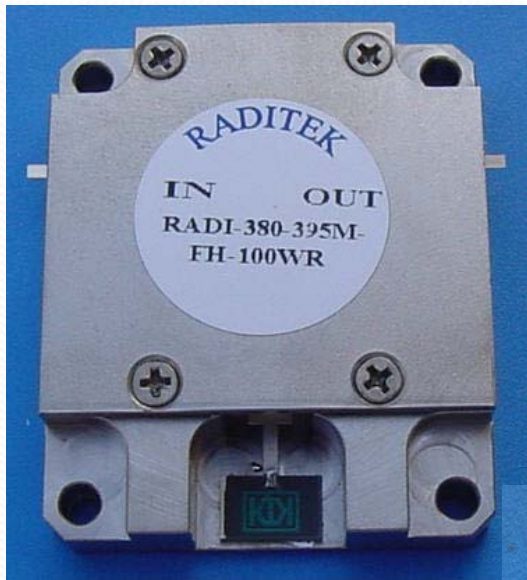
Polished ferrite:
Thin film Gold over copper
Metallization
For Gold wire, ribbon or
Solderable tabs

High power circulators...

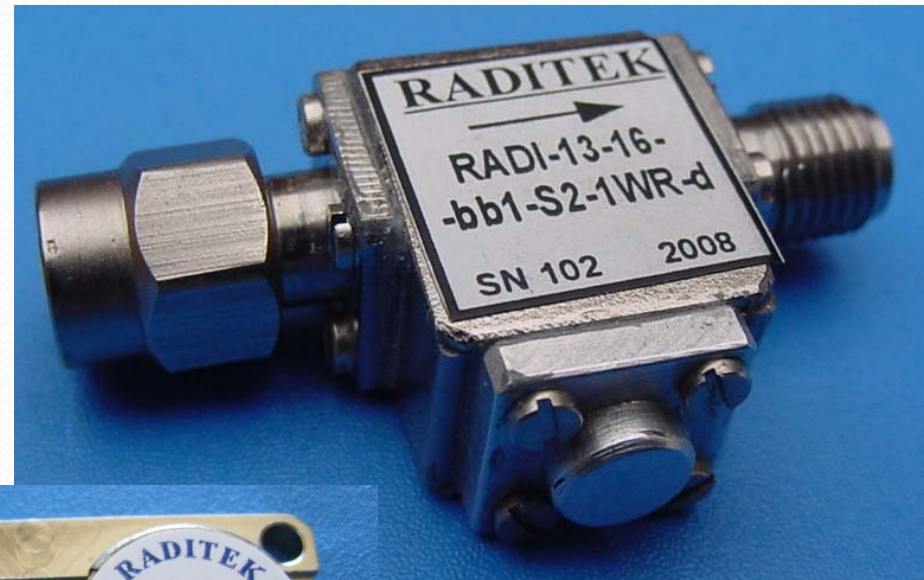


225-400MHz, 400W

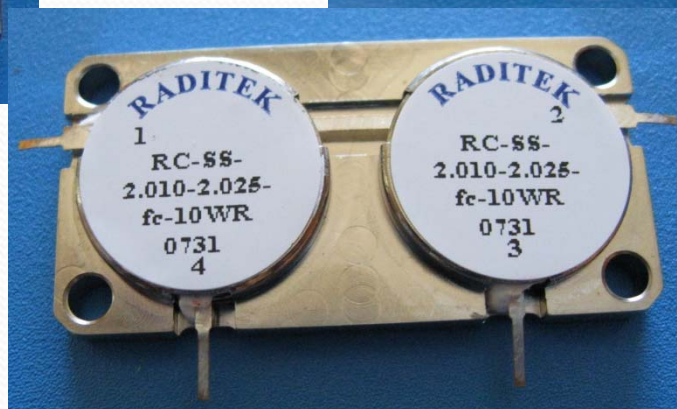
Winning isolator products...



World's top selling
350MHz (available in
250-500MHz band)
Drop-in



13-16GHz coaxial



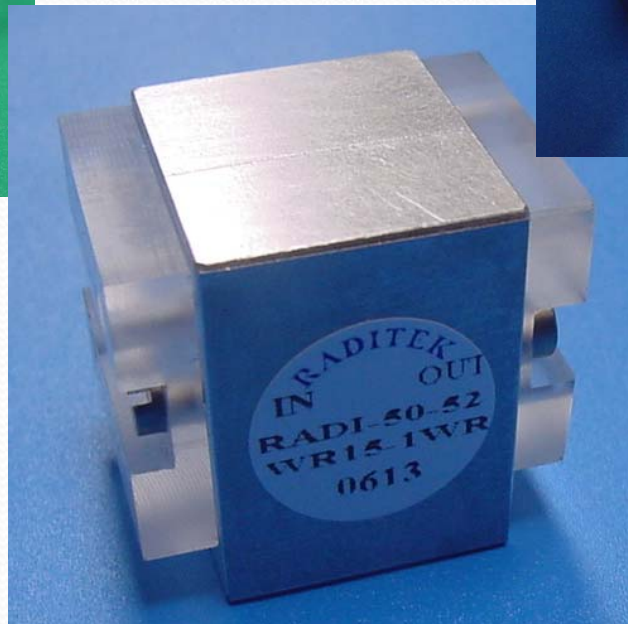
Dual TD-SCDMA isolator

Waveguide...



12.7-13.2GHz
WR75
Low profile
isolator

50-52GHz
1W isolator



7.25-7.75GHz
Circulator

Stripline models

GSM band with 30dB attenuator load



869-894MHz isolator
10W load



2.4-2.7GHz circulator



Filters

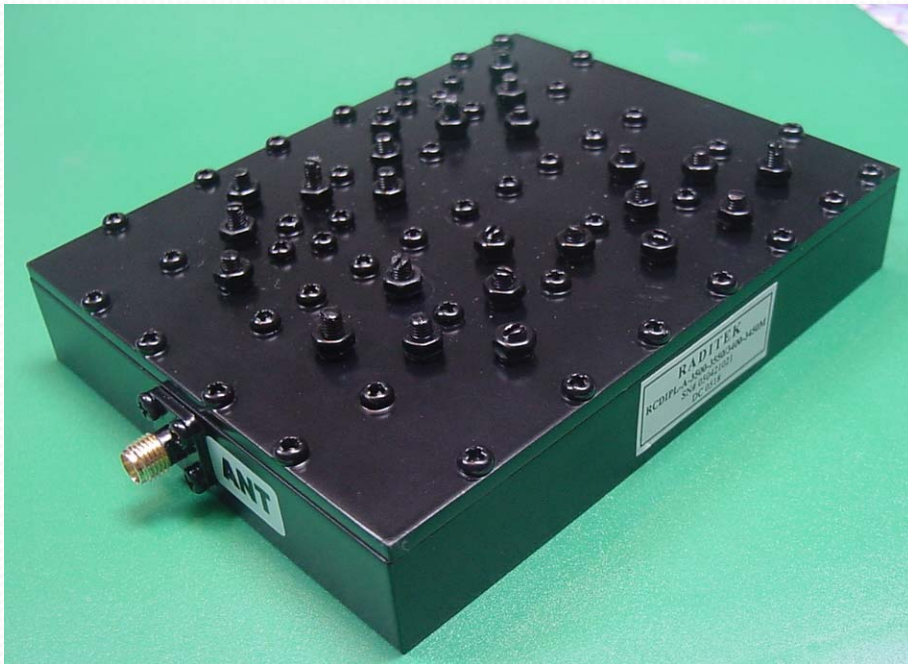
Section 2

RADITEK inc

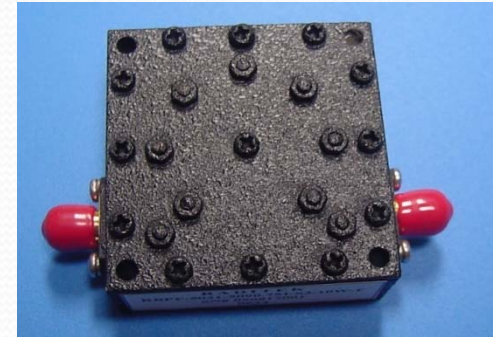
Filters..

- High Q, Comblines
 - Includes diplexers
 - Dielectric loaded (for smaller size)
- High Q, Cavity filters
 - Includes diplexers
 - Dielectric loaded (for smaller size)
- Ceramic filters and diplexers
- SAW (limited to **standard frequencies** only, in small quantity, specials in high volume only)

Cavity filters (high performance)



3.5GHz high Q duplexer



5GHz Band pass filter

Broadband couplers & Combiner/splitters

Section 3

RADITEK inc

Broadband Couplers..

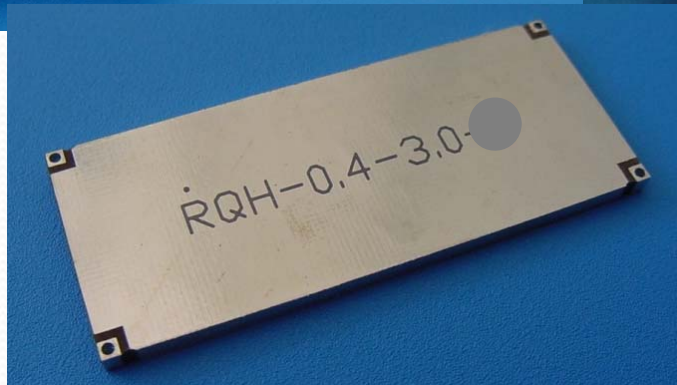
- Various coupling factors (1->30dB)
- Quadrature Hybrids (3dB-0° -90°)
- Low and High power (100W)
- Octave and multi octave bandwidths
 - Coaxial (connectorized)
 - SMA, N connector etc.

Broadband couplers..

1-18GHz coupler



30dB coupler, 1-2 GHz, 50W coax



Stripline drop-in broad band Quad hybrid (0.4-3GHz)

If we are not already there....

Please tell us how we can be your most favored supplier, partner ?

If you didn't see the product you were looking for, still ask us, we may be developing something similar as a special!
Contact your representative...

please visit us often at:

www.raditek.com