RADITEK INC.

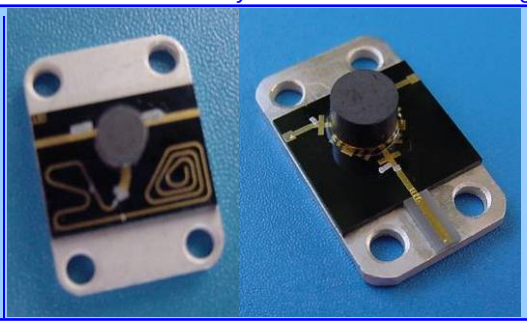
RoHS COMPLIANT

DROP-IN MICROSTRIP ISOLATORS AND CIRCULATORS

1.7 - 60GHz (Typically 10% Bandwidth, 20-24% wide band possible). Can be made to your exact frequency needs.
All thin film circuits are gold on copper, suitable for soldering, (very easy with regular solder),
(silver solder preferred), or gold thermo-compression. bonding

Humidity 5 to 95% non-Condensing, Max Temperature during welding process: +350 ºC @ 25 msec.

RDKF



Microstrip Drop-In on Carrier (1.7-37.5 GHz)
Direct drop-in replacements for FDK and TDK

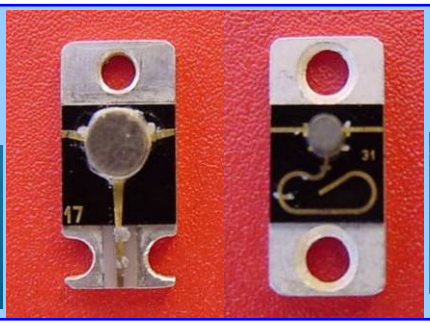
RDKF-4 Hole Model (1.7 – 15.7 GHz)
Isolator or Circulator

RDKF-2 Hole Model (6.3 – 37.5 GHz)
Isolator only

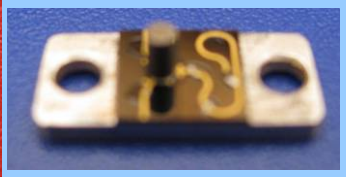
MS

RADC-MS (3-Hole) Model
8.5-43GHz, 1-4 GHz Bandwidth, 2 Watts
4 Circulator Models

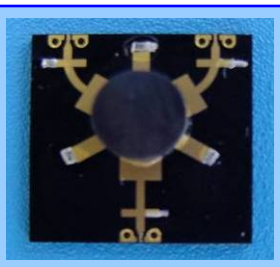
- **MS21**
- **MS31**
- **MS41**
- **MS51**



RADI-MS-2 Hole Model
27-45.5 GHz , 1-4GHz Bandwidth, 0.5-2Watts
Isolator



MSS



MSS Substrate Only Model
T format mounting directly to Chassis or circuit board (2-60 GHz).

54-60 GHz, Collision Avoidance

High Power C-Band 5.2-5.95 GHz, 20 Watts,

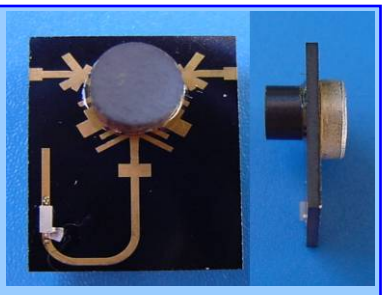
<< MSS-Y Model 5.2-5.95 20W

1) -NM (Non Magnetic) mount on Non Magnetic material ie Aluminum 6 to 23GHz only
2)-M (magnetic) mount on Steel / Kovar >1mm thick, (Default <6GHz // >24GHz) to give correct magnetic field to ensure over temperature performance. If mounted on aluminum will meet

MSSDM

MSSDM Substrate Only Model Dual Magnet

34-36 GHz Model Low Profile. >>>



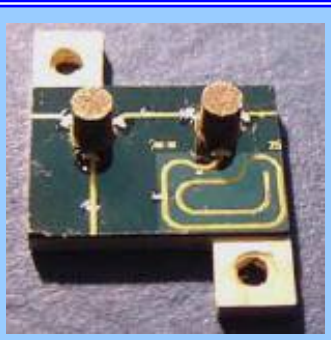
The devices should be mounted on the NON MAGNETIC carrier or base. The minimal thickness is 1.5mm. Plating: Gold, RoHS and REACH compliant. Load and Tuning conductor (97in3Ag). Optional location and configuration determined by vendor.

MSSM

RADI MSSM Model
Metal Backed Substrate on Carrier 2.0-55GHz 0.25-20W (10% Bandwidth) Ferrite substrates on steel carriers.

Same Footprint as the MSS and has a shim of steel added to the back allowing it to be mounted on Aluminum with out reservation.

MSS-DJ



RADI MSS-DJ Model
Dual junction miniature Microstrip isolators/circulators provide better channel isolation, 33dB min., between antenna, transmitter and receiver.

With less than 0.5dB (@ 10GHz loss through antenna to receiver channel.

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.
Tel: (408) 266-7404 | FAX: (408) 266-4483 | WEB: www.raditek.com |E-mail: sales@raditek.com

DROP-IN STRIPLINE ISOLATORS AND CIRCULATORS

224MHz – 15GHz (Typically 10% Bandwidth). Can be made to your exact frequency needs.
All circuits are silver plated beryllium copper, suitable for soldering.

FH3-FF-FH

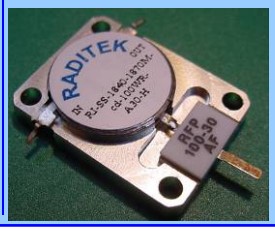
FF Model Isolators and Circulators:
370 to 600 MHz, 100 Watt Circulators or 10W Isolators
10 to 50 MHz Bandwidths
Up to 10Watts Isolators

FH Model Isolator: 370 to 625 MHz
FH3 Model Isolator: 224 to 320 MHz
Up to 40 MHz Bandwidths
100, 110 & 200 Watt Loads
A20 / A30 100 Watt Attenuator

SS-D

SS-D Models: 660MHz to 2.17GHz
Isolator DF Model: 200Watts
Isolator DE Model: 100Watts/110Watts
Isolator DD Model: 10Watts/20Watts
Circulator DD Model: 200Watts

Circulator DD Model:



Isolator DE Model
with 20dB Attenuator allowing precise reverse power monitoring.

TT-KDD \ TT-D

Ultra low IMD Isolators.
800-950MHz, IMD <80dBc
Typ. <100dBc
(2 x 25 Watt Tones)

SS-C

High Volume Stripline
SS-C Models: 1500MHz-3.9GHz

CC Model:
200Watt Circulator/
Isolator10/15/20W Isolator

CD Model:
110W Isolator
100W w/Attenuator
with 20dB Attenuator allowing precise reverse power monitoring

TT-C

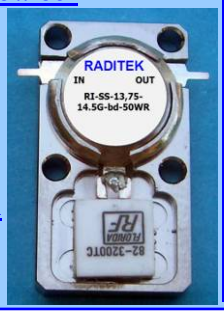
Ultra low IMD Isolators.
1800-2100MHz
IMD <80dBc Typ. <100dBc
(2x 30Watt Tones)

SS-B

SS-B Models 3.7-14.5 GHz, 1-4 GHz Bandwidth

SS-BBN Model

bb Circulator-40W
bd Isolator-40W
bbn Isolator-2W
bb+ Isolator-2W



BD Model

DD-SMT

DD-SMT Circulator Model:
660-1990MHz, 200 watts
Compatible with other
Surface mount units
Full range of models

Solder reflowable

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.
Tel: (408) 266-7404 | FAX: (408) 266-4483 | WEB: www.raditek.com |E-mail: sales@raditek.com