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.

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

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.)

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 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

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.

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 <GHz // >24GHz) to give correct magnetic field to ensure over temperature performance. If mounted on aluminum will meet
**Microstrip Stripline Overview**

**Specifications may be subject to change**

**07/25/15**

**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

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**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.

**FH Model Isolators and Circulators:**

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

- **bb Circularizer-40W**
- **bd Isolator-40W**
- **bbn Isolator-2W**
- **bb+ Isolator-2W**

**SS-BBN Model**

**BD Model**

**Ultra low IMD Isolators:**

800-950MHz, IMD <80dBc

Typ. <100dBc

(2 x 25 Watt Tones)

**Ultra low IMD Isolators:**

1800-2100MHz

IMD <80dBc Typ. <100dBc

(2 x 25 Watt Tones)

**High Volume Stripline**

**SS-C Models:** 1500MHz-3.9GHz

- **CC Model:** 200Watt Circular/Isolator 10/15/20W Isolator

**CD Model:**

110W Isolator

100W w/Attenuator 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)

**TT-C**

Ultra low IMD Isolators.

1800-2100MHz

IMD <80dBc Typ. <100dBc

(2 x 30 Watt Tones)

**SS-C Models:** 660MHz to 2.17GHz

- **Isolator DF Model:** 200Watts
- **Isolator DE Model:** 100Watts/110Watts
- **Isolator DD Model:** 10Watts/20Watts

Circulator DD Model:

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

**SS-D Models:**

- **660MHz to 2.17GHz**

**Ultra low IMD Isolators:**

800-950MHz, IMD <80dBc

Typ. <100dBc

(2 x 25 Watt Tones)

**FH Model Isolators and Circulators:**

- **FH Model Isolator:** 370 to 600 MHz
- **FH3 Model Isolator:** 224 to 320 MHz

Up to 40 MHz Bandwidths

100, 110 & 200 Watt Loads

A20 / A30 100 Watt Attenuator

**DD-SMT Isolator Model:**

660-1990MHz, 10Watts Isolators

Full range of models

Solder reflowable