RALTRON
RF CABLE ASSEMBLIES  RF CONNECTORS

RF CABLE ASSEMBLIES
RF CONNECTORS
- Adaptors
- Attenuators
- RF Connectors
- RF Cable Assemblies
  - Flexible Low Loss Cable Assemblies
  - Fakra Cable Assemblies
  - Overmolded Cable Assemblies
  - Customized Cable Assemblies

www.raltron.com
RF CONNECTORS

MCX STRAIGHT JACK FOR PCB RECEPTACLE
Series RCN4
Frequency Range: 0 to 6 GHz
Working Voltage, max: RG178 = 250 Vrms
RG174/316 = 335 Vrms

MMCX STRAIGHT JACK FOR PCB RECEPTACLE
Series RCN5
Frequency Range: 0 to 6 GHz
Working Voltage, max: RG178 = 250 Vrms
RG174/316 = 335 Vrms

SMP
Series RCN33
Frequency Range: 0 to 26.5 GHz
(extended performance to 40 GHz)
Working Voltage, max: 500 Vrms

BNC
Series RCN3
Frequency Range: 0 to 4 GHz
Working Voltage, max: RG178 = 170 Vrms
RG174/316 = 250 Vrms

TNC
Series RCN9
Frequency Range: 0 to 11 GHz
Working Voltage, max: RG178 = 170 Vrms
RG174/316 = 250 Vrms

Mini UHF
Series RCN7
Frequency Range: 0 to 2.5 GHz
Working Voltage, max: 170 Vrms

SMA
Series RCN1
Frequency Range: 0 to 12.4 GHz
Working Voltage, max: RG178 = 170 Vrms
RG174/316 = 250 Vrms

SMC
Series RCN8
Frequency Range: 0 to 10 GHz
Working Voltage, max: RG178 = 250 Vrms
RG174/316 = 335 Vrms

SMB
Series RCN2
Frequency Range: 0 to 4 GHz
Working Voltage, max: RG178 = 250 Vrms
RG174/316 = 335 Vrms
ADAPTERS

**SMA FEMALE to MCX MALE**
Series RAD41
Frequency Range: DC to 6 GHz
Impedance: 50 Ω
VSWR, max: 1.2

**TNC MALE to MCX FEMALE**
Series RAD42
Frequency Range: DC to 6 GHz
Impedance: 50 Ω
VSWR, max: 1.2

**SMA MALE to MCX FEMALE**
Series RAD41
Frequency Range: DC to 6 GHz
Impedance: 50 Ω
VSWR, max: 1.2

**SMA MALE to MCX MALE**
Series RAD41
Frequency Range: DC to 6 GHz
Impedance: 50 Ω
VSWR, max: 1.3

**MCX PLUG to TNC JACK**
Series RAD42
Frequency Range: DC to 6 GHz
Impedance: 50 Ω
VSWR, max: 1.3

**SMA FEMALE to MCX FEMALE**
Series RAD41
Frequency Range: DC to 6 GHz
Impedance: 50 Ω
VSWR, max: 1.3

**ATTENUATORS**

**SMA MALE to SMA FEMALE**
Series RAT01
Nominal Attenuation: 1 dB
Input Power Rating (Average): 6 W

**SMA MALE to SMA FEMALE**
Series RAT06
Nominal Attenuation: 6 dB
Input Power Rating (Average): 0.6 W

**SMA MALE to SMA FEMALE**
Series RAT40
Nominal Attenuation: 40 dB
Input Power Rating (Average): 0.5 W

Frequency Range: 0 to 6 GHz
Impedance: 50 Ω
Attenuations Accuracy: ±0.5 / -0.2 dB
VSWR, max: 1.3
Operating Temperature: -40°C ~ +85°C
SMC-FLEXIBLE-LOW LOSS COAXIAL CABLE

**Series RCB8**
Combination: BNC, TNC

- Impedance: 50 Ω
- Frequency Range: DC to 6 GHz
- VSWR, max: 1.5
- Insertion Loss: 1.8 dB
- Insulation Resistance, min: 5000 MΩ
- Power Handling: 2 W
- Operating Temperature: -40°C ~ +85°C

Type F-FLEXIBLE-LOW LOSS COAXIAL CABLE

**Series RCB17**
Combination: Type F, Type N, BNC, FAKRA

- Impedance: 75 Ω
- Frequency Range: DC to 6 GHz
- VSWR, max: 1.5
- Insertion Loss: 1.8 dB
- Insulation Resistance, min: 5000 MΩ
- Power Handling: 2 W
- Operating Temperature: -40°C ~ +85°C

IPEX-FLEXIBLE-LOW LOSS COAXIAL CABLE

**Series RCBO**
Combination: IPEX, SMA Female Bulkhead, IPEX Plug to Reverse Type N, SMA

- Impedance: 50 Ω
- Frequency Range: DC to 6 GHz
- VSWR, max: 1.5
- Insertion Loss: 1.8 dB
- Insulation Resistance, min: 5000 MΩ
- Power Handling: 2 W
- Operating Temperature: -40°C ~ +85°C

FME-FLEXIBLE-LOW LOSS COAXIAL CABLE

**Series RCB6**
Combination: BNC, FME, TNC

- Impedance: 50 Ω
- Frequency Range: DC to 6 GHz
- VSWR, max: 1.5
- Insertion Loss: 1.8 dB
- Insulation Resistance, min: 5000 MΩ
- Power Handling: 2 W
- Operating Temperature: -40°C ~ +85°C

SMB-FLEXIBLE-LOW LOSS COAXIAL CABLE

**Series RCB2**
Combination: SMB, SMA, MMCX

- Impedance: 50 Ω
- Frequency Range: DC to 6 GHz
- VSWR, max: 1.5
- Insertion Loss: 1.8 dB
- Insulation Resistance, min: 5000 MΩ
- Power Handling: 2 W
- Operating Temperature: -40°C ~ +85°C

DIN-FLEXIBLE-LOW LOSS COAXIAL CABLE

**Series RCB35**
Combination: DIN, SMA

- Impedance: 50 Ω
- Frequency Range: DC to 14 GHz
- VSWR, max: 1.3
- Insertion Loss: 1.8 dB
- Insulation Resistance, min: 10000 MΩ
- Power Handling: 2 W
- Operating Temperature: -55°C ~ +155°C
RALTRON ELECTRONICS IS A MEMBER OF RAMI TECHNOLOGY GROUP

With worldwide operations controlled from its main business center in Miami, Florida, RAMI TECHNOLOGY GROUP is one of the fastest growing manufacturers of frequency components and IoT related passive components and antennas. Founded in 1983, the company offers one of the broadest lines of quartz crystals and crystal based products from simple resonators to precision oscillators such as VCXO, TCXO and OCXO. The second line of business consists of passive components and a complete portfolio of antennas for IoT related wireless applications including SAW Filters, LTCC Low-Pass and Band-Pass Filters, Duplexers and Baluns as well as Chip Antennas, Patch Antennas (passive and active), Helix Antennas, Dipole and Stub Antennas, etc. The antenna line is now completed by an ample offering of RF Cable Assemblies and RF Connectors, Adapters and Attenuators. RAMI TECHNOLOGY is interacting with its global customer base through direct sales offices, Reps and Distributors. Full technical support is offered with two application engineering teams and failure analysis labs based in Miami, Florida and Shenzhen, China. The company’s production sites are located in Asia and Miami, Florida.

RAMI TECHNOLOGY GROUP is committed to excellence in its interaction with customers, suppliers, employees and the communities where it is operating.

Worldwide Facilities

RALTRON ELECTRONICS
RAMI TECHNOLOGY USA, LLC
10400 NW 33rd Street Suite 290
Miami, Florida 33172 USA
Tel:+1-305-593-6033
Fax:+1-305-594-3973
E-mail: sales@raltron.com
E-mail: sales@ramitechnology.com

RAMI TECHNOLOGY Hong Kong Limited
Flat C1, 11/F
Hoi Bun Industrial Building
6 Wing Yip Street Kwun Tong
Kowloon, Hong Kong
Tel:+852-2793-1111
Fax:+852-2793-1901
E-mail: sales@ramitechnology.com

RAMI TECHNOLOGY (S) PTE,LTD
Block 1003 Bukit Merah Central,
#04-20 Technopreneur Centre,
Singapore 159836
Tel:+65-65130280
Fax:+65-62748826
E-mail: sales@ramitechnology.com

RAMI TECHNOLOGY Shenzhen
Room 402A, Technology Building
DouLi Industrial Park
No 105 MeiHua Road, Futian District
Shenzhen, China
Tel:+86 755 21537033
Fax:+86 75521537933
E-mail: sales@ramitechnology.com

RAMI TECHNOLOGY Taiwan
6-3F, 159 Yang Ming Road
Kaohsiung
Taiwan, ROC
Tel:+886 958 015 505
Fax:+852-2793-1901
E-mail: sales@ramitechnology.com

RAMI TECHNOLOGY India
Block 1003 Bukit Merah Central,
#04-20 Technopreneur Centre,
Singapore 159836
Mobile:+91-9650768484
Tel:+65-65130280
Fax:+65-62748826
E-mail: sales@ramitechnology.com