

High Voltage Solutions



Coaxial Connectors for High Voltage Applications

To support the need for high voltage coaxial connectors in the Industrial market, Radiall offers product solutions up to 20 KV. The new BNC HT / MHV series, is the most recent addition to the comprehensive High Voltage range.



Radiall has over 60 years of experience in designing RF products for demanding applications within the Test & Measurement, Space, Aeronautic, Nuclear and Medical markets.

To meet customers needs for high voltage coaxial connectors in the Industrial market, Radiall has expanded the HV range to include, BNC HT / MHV. This new high voltage solution offers a screw-on and bayonet coupling mechanism and is fully compliant to applicable international standards. The BNC HT / MHV, is also fully compliant to MHV standards and compatible with existing BNC HT. This improved solution offers similar performance benefits of BNC HT in order to serve MHV.

For nuclear applications and radiating environment where connectors are used, Radiall can also provide unique connector solutions with non organic insulators (HN & SHV). Contact your local sales representative for those applications.



Offering over 60 years of experience in high voltage coaxial connectors for the Test & Measurement, Industrial, Nuclear and Aeronautic markets, Radiall's wide range of solutions are available up to 20 KV.

Coaxial connectors for high voltage applications



High Voltage Range:

- HN (High Voltage N Connector - R176 series) 2 GHz / Up to 5 KV
- Screw-On coupling system compliant with MIL-C-3643A
- BNC HT / MHV (BNC High Voltage / Miniature High Voltage connector, R316 series) 2 GHz / Up to 10 KV
- Bayonet coupling system with reinforced dielectric (connectors are not intermateable with standard BNC or SHV series)
- SHV (Safe High Voltage connector - R317 series) 2GHz / Up to 12 KV.
- Bayonet coupling system compliant to NIM (Nuclear Instrumentation Module) specification ND-545 A
- THT 20 (Very High voltage connector - R331 series) 1GHz / up to 20 KV
- Screw-On coupling system with female center 4mm contact which allows testing with standard banana plugs

Features & Benefits

- High voltage product solutions
- Wide range from 5KV up to 20 KV

Applications

- Probe & detectors
- High voltage power supply
- X-Ray source
- Vacuum equipment
- Electrostatic chuck applications
- Ultrasonic welding applications
- RF equipment