

RF SPACE COMPONENTS WITH A 2.4 MM INTERFACE

Space Qualified Q-band Products



The space industry is requiring more and more high frequency products. To provide an answer for Q-band space applications, Radiall is now offering a wide range of space qualified products that operate up to 52 GHz, including connectors, adapters, terminations and attenuators fitted with a 2.4 mm interface.

The 2.4 mm interface is compliant with the MIL-STD-348A specification. Additionally, our products are qualified according to RAD-GEN-CONN-001 and RAD-GEN-ATCH-002 specifications, following a test plan similar to ESCC 3402 and ESCC 3403.

Below is a list of the new product specifications:

- RAD-DET-CONN-024 for male connectors
- RAD-DET-CONN-025 for female connectors
- RAD-DET-ATCH-017 for terminations
- RAD-DET-ATCH-018 for attenuators



Radiall's Q-band coaxial space products provide easy-to-use and cost-effective solutions.

Radiall has completed the connector qualifications for equipment, attenuators and terminations. We have also finished the prototype phase for the straight and right angle adapters.

- Guaranteed VSWR for connectors: <1.2 @ 50 GHz
- Guaranteed VSWR for terminations: <1.3 @ 50 GHz
- Guaranteed VSWR for attenuators: <1.3 @ 26.5 GHz; <1.5 @ 40 GHz; <1.65 @ 50 GHz

Customization is possible for connectors upon request.

FEATURES & BENEFITS

- *Operating up to Q-band*
- *Straight and right angle adapters are available*
- *Power dissipation for attenuators and loads: 0.5 W*
- *0 - 10 dB/1 dB step and 20 dB attenuators*
- *Excellent RF performance*

APPLICATIONS

- *Space payloads*