

# SPACE SMA2.9 ATTENUATORS

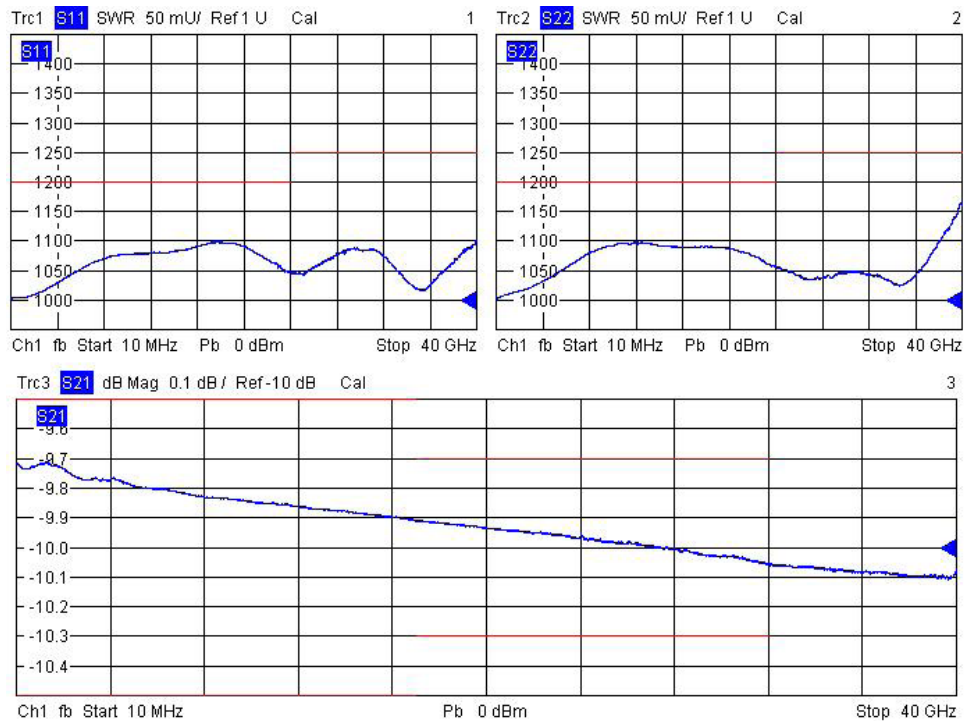
New Ingenuity for  
Higher Reliability

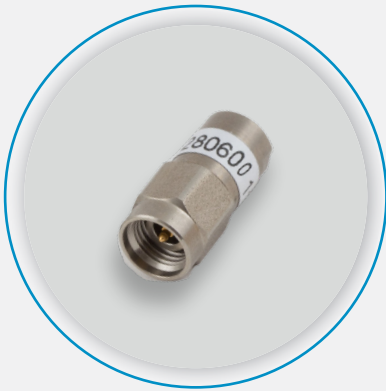
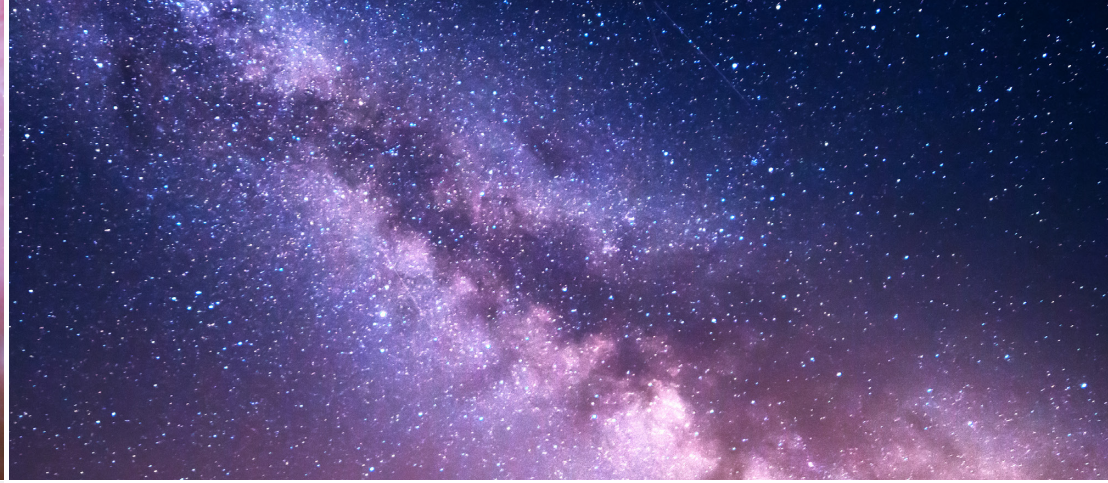


Following the release of the new SMA 22 GHz space attenuator design, Radiall extends the range with SMA2.9 attenuators operating at 31.5 GHz.

Radiall's new space qualified series combines both high precision attenuator technology and a robust internal design. These SMA2.9 attenuators fully meet space market requirements with optimized RF performance in thermal and mechanical demanding environments.

## TYPICAL CURVES OF A 10dB ATTENUATOR





Space 31.5 GHz termination shown above is available with the same design improvements.

*The perfect solution for high frequency space applications where performance and reliability are required.*

### PERFORMANCE

| ATTENUATION                        | dB                        | 0 (DC-SHUNT)    | 0.5 - 20 |
|------------------------------------|---------------------------|-----------------|----------|
| DISSIPATED POWER                   | W                         | 1               |          |
| POWER HANDLING DERATING            |                           | From +70 °C     |          |
| ATTENUATION TOLERANCE VS FREQUENCY | 0 < F < 17 GHz, dB (±)    | 0 / -0.55       | 0.5      |
|                                    | 17 < F < 31.5 GHz, dB (±) | 0 / -0.55       | 0.3      |
| VSWR                               | 0 < F < 24 GHz            | <1.20           |          |
|                                    | 24 < F < 31.5 GHz         | <1.25           |          |
| TESTS                              | Shocks, g                 | 2000            |          |
|                                    | Random vibrations, grms   | 50              |          |
|                                    | Thermal cycling           | -55°C to +125°C |          |

### FEATURES & BENEFITS

- Improved VSWR
- RF power handling doubled due to a new design
- More robust
- Higher vibration and shock level
- Glitch free
- Same dimensions as previous version

### APPLICATIONS

- Space payload
- TVAC applications