

Space Attenuators

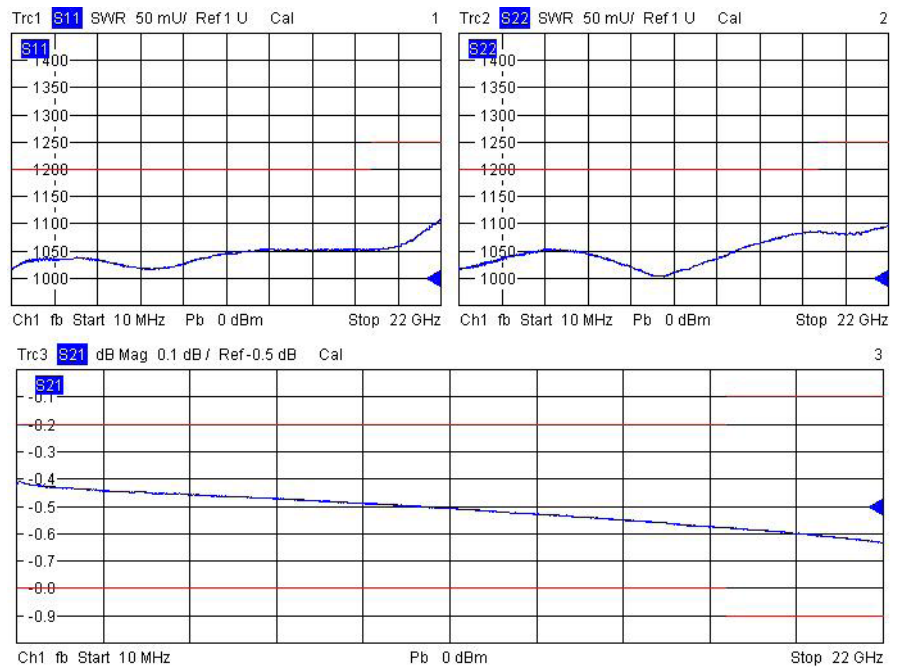
Improving Space Performance

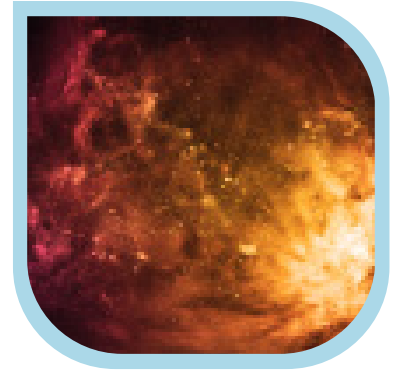
As the space industry continues to evolve, Radiall has developed a new 22 GHz space attenuator offer, with increased RF performance and robustness in order to meet stringent demands.



With only internal modifications and a different manufacturing process, Radiall's 22 GHz space attenuators are a perfect solution to meet market expectations.

Typical curves of a 0.5dB attenuator





The perfect solution for space applications where high performance and resistance to severe environments are required.

Improving Space Performance



The same improvement is also available on space 22 GHz terminations.

Performance

Attenuation	dB	0 (DC shunt) - 6.5	7 - 10	11 - 20
Dissipated Power	W	2		
Power Handling Derating		From +70°C		
Attenuation Tolerance vs Frequency	0 < F ≤ 18 GHz, dB (±)	0.3	0.4	0.4
	18 < F ≤ 22 GHz, dB (±)	0.4	0.5	0.6
VSWR	0 < F ≤ 18.4 GHz	<1.20		
	18.4 < F ≤ 22 GHz	<1.25		
Tests	Shocks, g	2000		
	Random vibrations, grms	50		
	Thermal cycling	-55°C to +125°C		

Features & Benefits

- Better VSWR with improved RF power handling capability
- More robust
- Higher vibration and shock level
- Resistance to a larger temperature range
- Same dimensions as previous generation
- Glitch free

Applications

- Space payload