



50 GHz 2.4mm ATTENUATORS

High Performance Attenuators



Combining Synergy's experience in RF instrumentation with market demands for radio frequency equipment reaching over 40 GHz, Synergy developed a range of attenuators equipped with 2.4mm connectors that can reach 53 GHz. This new range is perfectly suited for equipment requiring high RF performance in a small form factor.

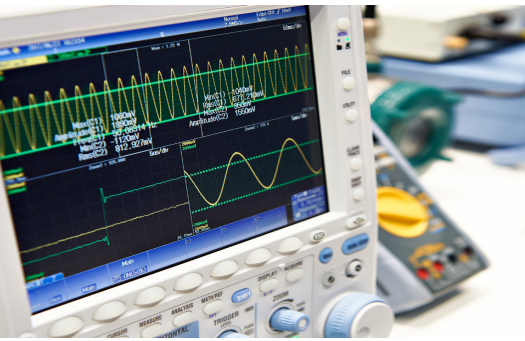
With demands for the test & measurement market increasing and customers' requiring attenuators with performance over 40 GHz, Synergy designed a new range of 50 GHz coaxial attenuators equipped with 2.4mm connectors.

PERFORMANCE

The high radio frequency performance of this offer, makes it superior to the competition in all aspects. With exceptional VSWR performance (VSWR 1.65 @ 50 GHz) and the attenuation precision only reaching 0.7 dB at 50 GHz, this solution is ideal when performance is essential. The nominal power of this attenuator is 1W, which is higher than existing market solutions (generally 0.5W).

SIZE

The complete range of attenuators is .86 inch long making it the smallest available form factor available for this range of frequency.



Synergy 50 GHz range of attenuators is the perfect solution when high RF performance is required and size is a critical factor.

PART NUMBERS	ATTENUATION VALUE	CONNECTOR	FREQUENCY (GHz)	TYPE	POWER (W)
ST413N03000	3 dB	2.4mm	DC - 53 GHz	M to F	1
ST413N06000	6 dB				
ST413N10000	10 dB				
ST413N20000	20 dB				
ST413N30000	30 dB				

FEATURES & BENEFITS

- Exceptional VSWR performance
- Excellent stability in attenuation precision
- 53 GHz reachable for 5G Test & Measurement
- Power up to 1 Watt
- Very small form factor: .86 inch length even for the 30 dB version

APPLICATIONS

- RF Test & Measurement > 40 GHz
- RF military defense equipment > 40 GHz