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67 GHz 1.85 mm **ATTENUATORS & LOADS**

High Performance Attenuators

New radio frequency applications are developed at millimeter wavebands, especially in Q band (33 to 50 GHz) and V band (40 to 75 GHz) to support communication applications. As a result, Test & Measurement radio frequency equipment has been designed to reach a maximum frequency of 67 GHz.

With demands for millimeter wave products increasing, Synergy designed a new range of 67 GHz attenuators and loads (or terminations) equipped with 1.85 mm connectors. This supports satellite communication using Q/V bands to increase the throughput of VHTS satellites and telecom applications with millimeter wave frequencies for high-capacity, backhaul, point-to-point applications.

PERFORMANCE

Performance and reliability are very important at such high frequencies, especially when low VSWR and repeatable attenuation values are needed to guarantee measurement accuracy.

The high radio frequency performance of this offer, combined with a large temperature range of -55 °C to +125 °C, makes it superior to the competition. With exceptional VSWR performance and attenuation precision, this solution is ideal when reliability and high performance are essential.

SIZE

The complete range of attenuators is .86 inch, making it one of the smallest form factors available for this frequency range.

Plot no. 845, DSIIDC Industrial Area KHASRA NO. 33/23 (0-7) & 37/4 (0-10)Gali no. 6, near Harnandi dharam kanta Mundka Industrial Area, New Delhi, Delhi, 110041

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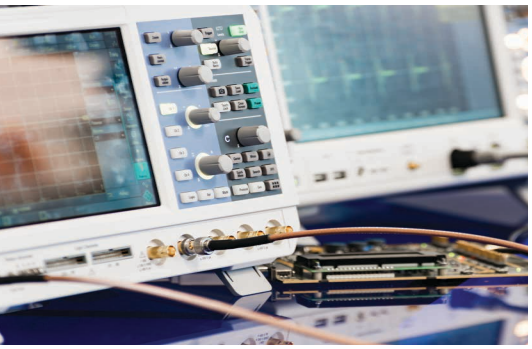

Radiall 67 GHz range of attenuators and loads is the perfect solution when high RF performance is required and size or wide temperature range are critical.

PART NUMBERS	ATTENUATION VALUE	CONNECTOR	FREQUENCY (GHz)	TYPE	POWER (W)
ST413V03000	3 dB	1.85 mm	DC - 67 GHz	M to F	1
ST413V06000	6 dB				
ST413V10000	10 dB				
ST413V20000	20 dB				
ST4042V0000	Load			Male	0.5
ST4042V5000	Load			Female	

FEATURES & BENEFITS

- *Exceptional VSWR performance*
- *Excellent stability in attenuation precision*
- *Wide temperature range: -55 °C, +125 °C*
- *Very small form factor*

APPLICATIONS

- *RF Test & Measurement > 40 GHz*
- *RF military or telecom equipment > 40 GHz*

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