



125dB 8 Bits 0.5dB Step Digital Control Attenuator 4-18GHz



- Wide Band Operation 4-18GHz
- High Power Handle Capability up to 1W upon request.
- High Dynamic attenuation range to 125dB, 0.5dB step.
- Flat frequency response, low attenuation error.
- Temperature Range -40°C~+85°C
- Customization available upon request

Single Port Absorptive Digital Control Attenuator

Frequency (GHz)	Insert. Loss (dB)	VSWR	Control bits	Step (dB)	Attenuation Range (dB)	Flatness (dB)	Power (Watts)
4-18	5dB @ 4GHz 8dB @ 11GHz 11dB @ 18GHz	1.8	8	0.5	127.5	±2.0	P1dB=1 W min

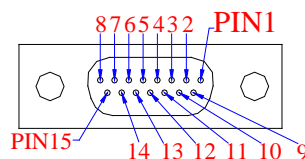
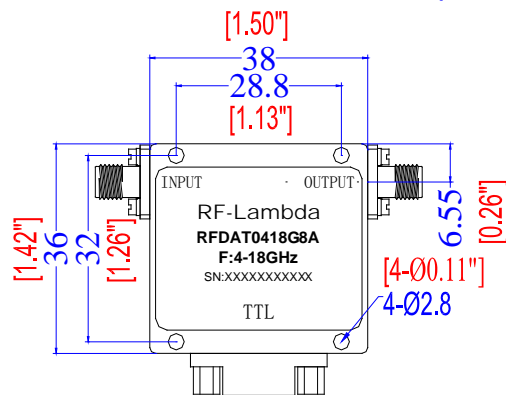
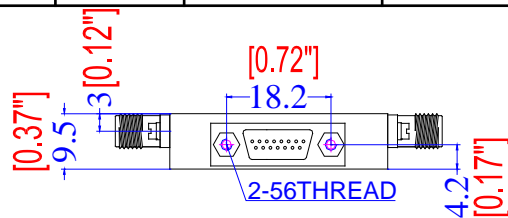


Electrical Operation

Control DC: +/-5v
 Max Current: 120mA
 High Digital Biasing is required for high RF power model.

Mechanical Specification

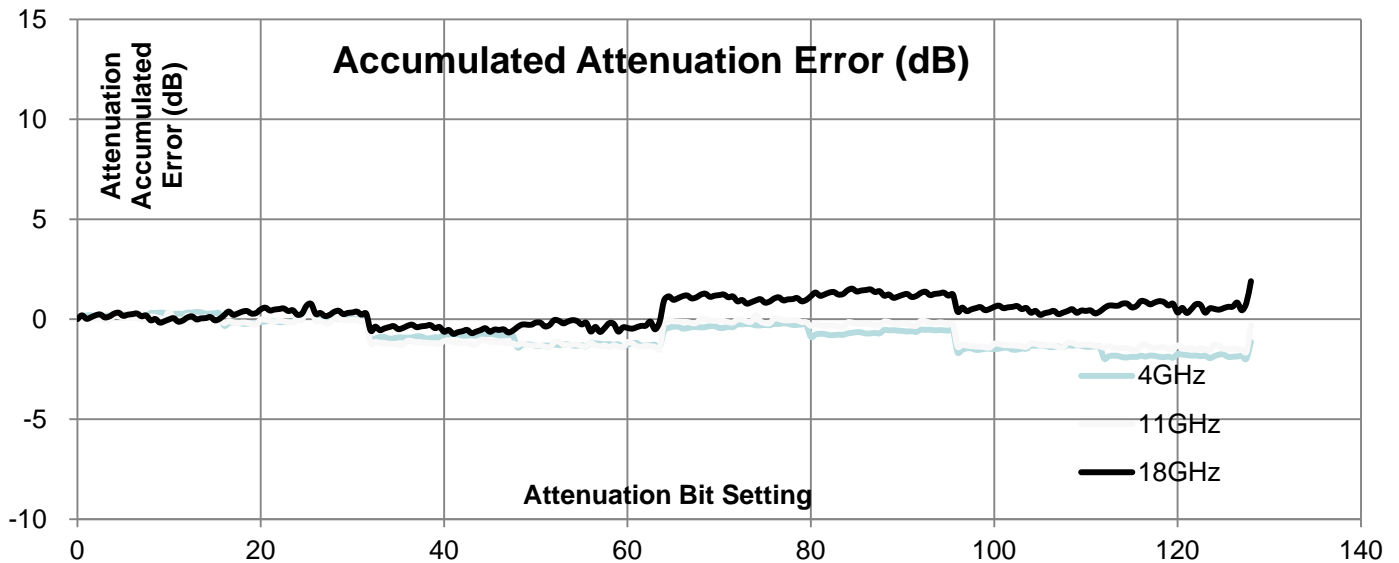
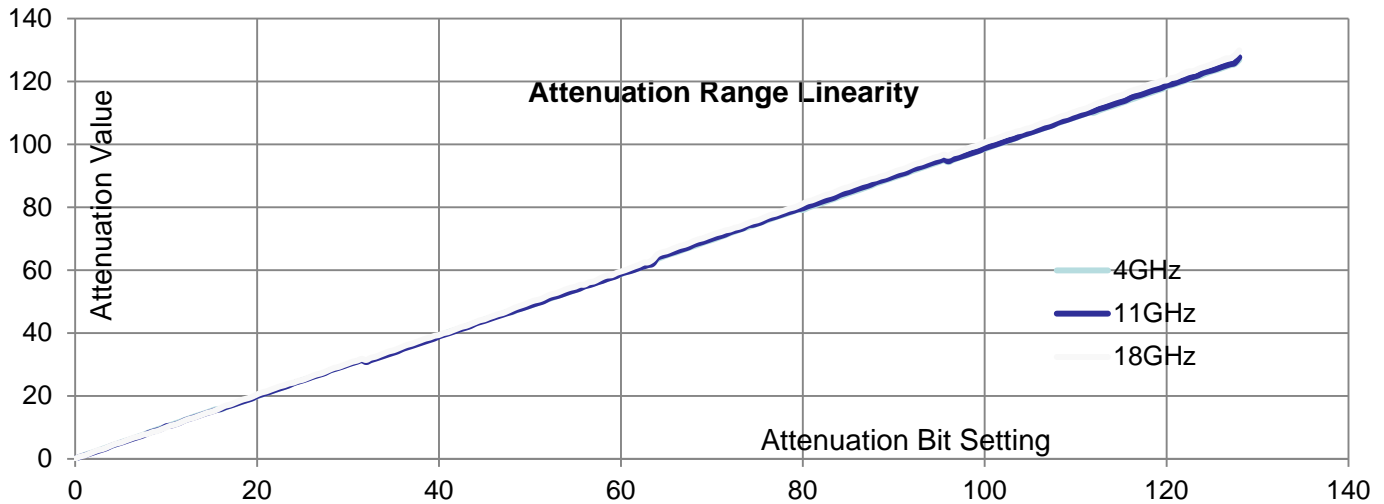
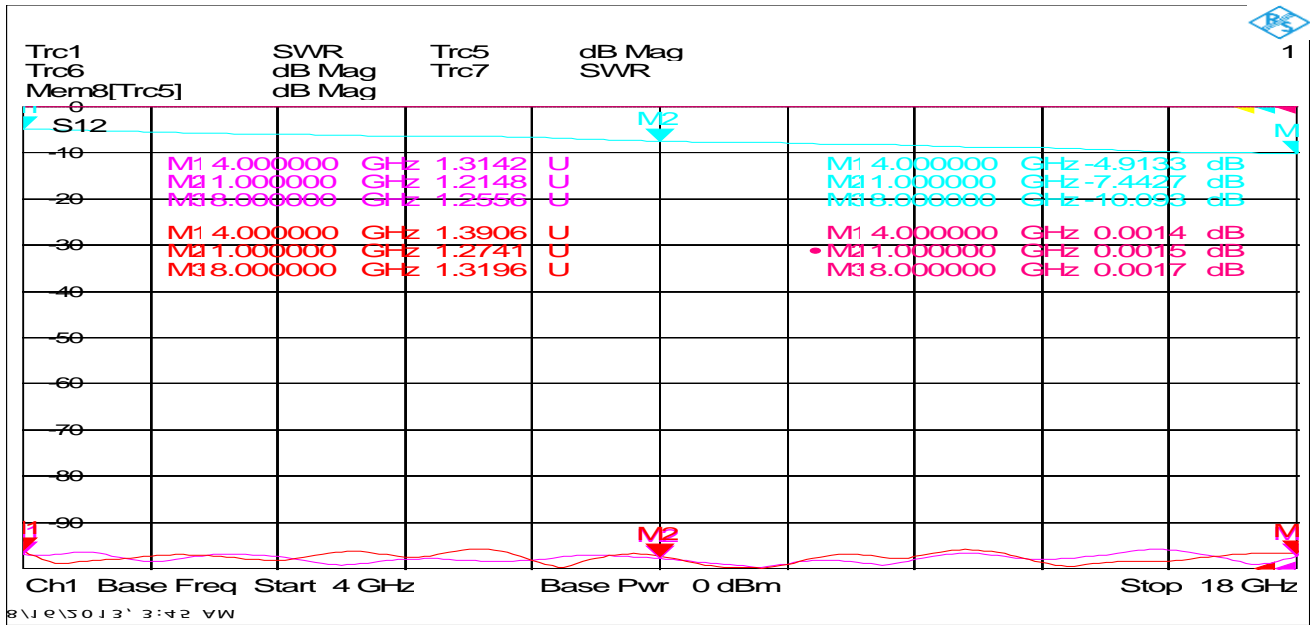
Case Style: As shown
 Finishing: Gold plating for brass material
 Other finishing available
 Connector: SMA-F Per MIL-C-39012
 Seal: Laser Seal
 Control PIN: 0.02" dia x 0.15" solder pins
 Weight: 100 grams max.



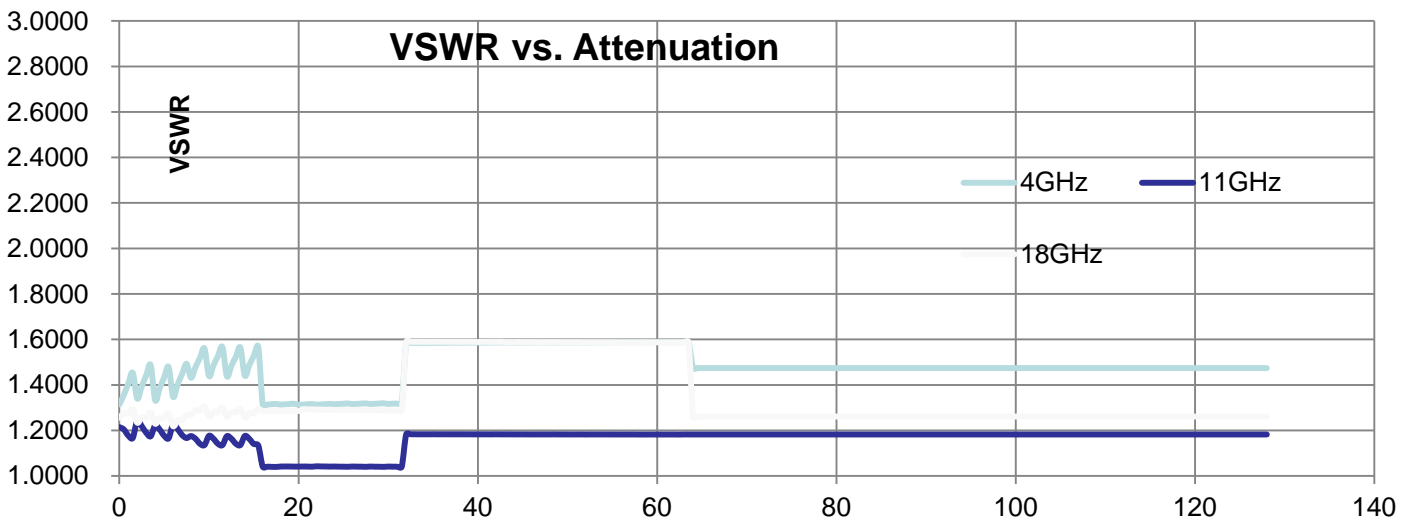
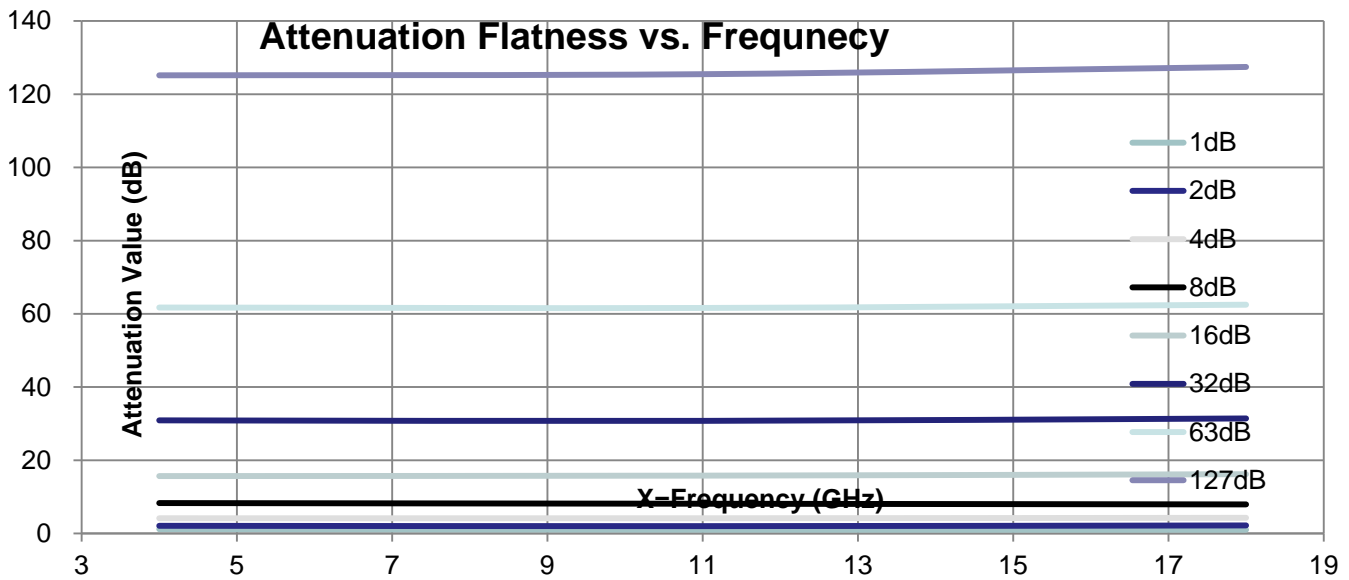
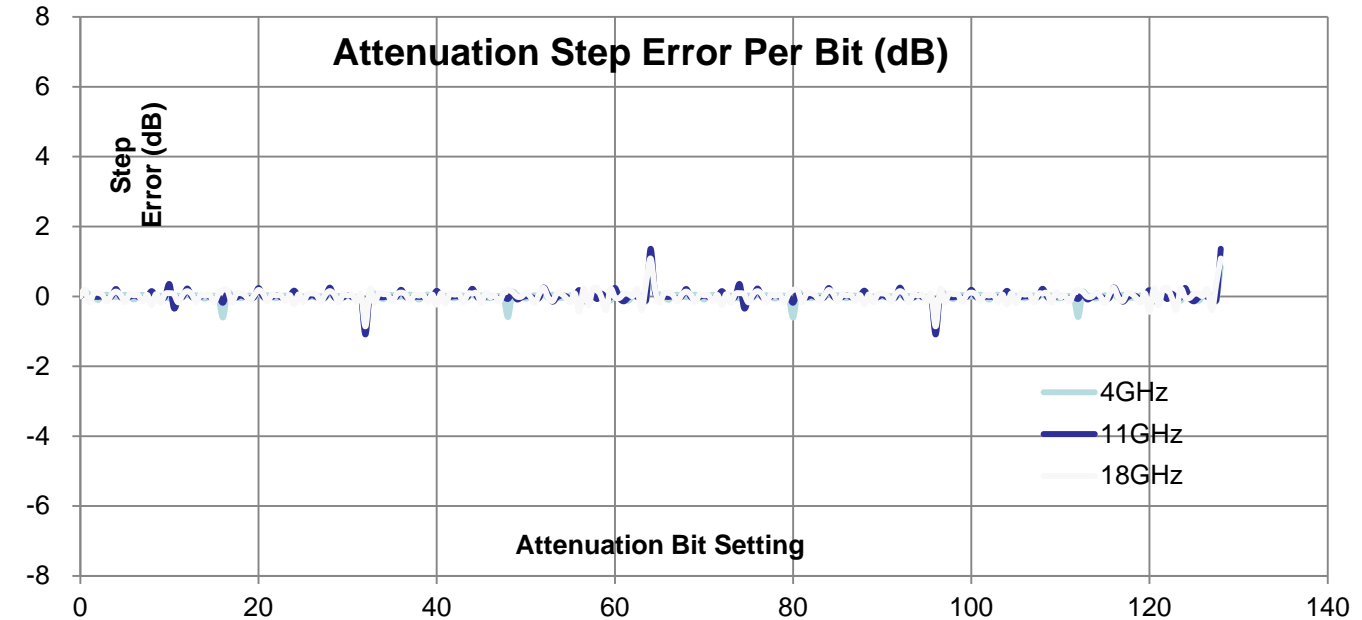
1 +5V 2 GND 3 -5V 4 C1 5 C2 6 C3 7 C4 8 C5 9 C6 10 C7 11 C8 12 GND 13 GND 14 GND 15 GND

MICRO-D15

125dB 8 Bits 0.5dB Step Digital Control Attenuator 4-18GHz



125dB 8 Bits 0.5dB Step Digital Control Attenuator 4-18GHz





RF-LAMBDA

The power beyond expectations

RFDAT0418G8A

Important Notice

The information contained herein is believed to be reliable. RF-Lambda makes no warranties regarding the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for any of the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for the use of the information contained herein. The information contained herein is provided "AS IS, WHERE IS" and with all faults, and the entire risk associated with such information is entirely with the user. All information contained herein is subject to change without notice. Customers should obtain and verify the latest relevant information before placing orders for RF-Lambda products. The information contained herein or any use of such information does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other intellectual property rights, whether with regard to such information itself or anything described by such information.

RF-Lambda products are not warranted or authorized for use as critical components in medical, life-saving, or life sustaining applications, or other applications where a failure would reasonably be expected to cause severe personal injury or death.

125dB 8 Bits 0.5dB Step Digital Control Attenuator 4-18GHz