

Programmable Step Attenuators



RLC Electronics' PA Series Attenuators are binary Programmable Step Attenuators designed to operate from DC to 20 GHz. Two basic models offer attenuation ranges of 15, and 70dB. Control is in

standard format: 1-2-4-8, etc. The attenuators are available with failsafe or latching operation, 12 or 28 volt coils and optional TTL drivers, with a choice of frequency ranges.

Specifications

PA-1-2-3-4-5

Model No.	Frequency Range (GHz)	Attenuation		Attenuation Cells	VSWR (Max)	Insertion Loss (dB Max)	Accuracy (dB Max)
		Range (dB)	Steps (dB)				
PA-124	DC-5	0-15	1	1,2,4,8	1.5	1.0	+/- .5 per cell
	5-12.4				1.7	1.6	
	12.4-20 (optional)				1.9	2.0	
PA-125	DC-5	0-70	10	10, 20, 40	1.5	0.8	+/- 1.0 per cell
	5-12.4				1.7	1.3	
	12.4-20 (optional)				1.8	1.6	

Power Rating: 2 watts average at 25 deg C

Impedance: 50 ohms

Life: 1,000,000 operations

Connectors: SMA Female

Switching Speed: 15 milliseconds max.

Control Power: 12 Vdc at 185 mA nominal per cell

28 Vdc at 108 mA nominal per cell

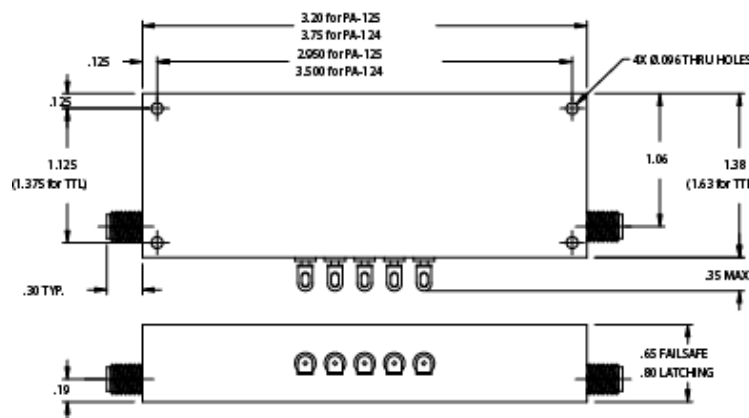
Pulse Latching: Optional

To designate the attenuator desired use:

- | | |
|--------------------------------------|---|
| (1) "124", "125" for model number | (4) "TL" for TTL Driver if desired. |
| (2) "H" for 12 VDC or "D" for 28 VDC | (5) "5" for DC-5 GHz, "12" for DC-12.4 GHz, "18" for DC-18 GHz, |
| (3) "L" for pulse latching | "20" for DC-20 GHz, "48" for 4-8 GHz, "812" for 8-12.4 GHz, |
| | "1218" for 12.4-18 GHz option |

Example: PA-125-D-TL-1218 is a 0-70 dB, 12-18 GHz programmable step attenuator with 10 dB steps, 28 volt coil, and TTL drivers.

OUTLINE DRAWING



Specifications subject to change without notification.

Tolerances unless otherwise specified are .xx +/- .02. xxx +/- .005

Specials requiring closer tolerances, different frequency ranges, special connectors, different materials, finishes, etc. can be furnished upon request.



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