Quartzlock.com

Programmable Attenuators

SPECIFICATION - Provisional

	model dB 125	model dB 127
Frequency	dc to 1GHz	dc to 3GHz
Attenuation Range	0 to 125dB x 1dB	0 to 127db x 1dB
Accuracy	0.5 GHz 0.01dB/dB max	1GHz 0.2dB - 1% (0.5%)0.5GHz 2GHz 0.3dB - 2% 3GHz 0.5dB - 3%
Insertion Loss	1GHz 2dB max	1GHz <2dB 2GHz <3dB 3GHz <4dB
VSWR	400 MHz 1.07:1 1GHz 1.2:1 1.6GHz 1.8:1	1GHz 1.3:1 3GHz 1.5:1
Return Loss	400 MHz 30dB 1GHz 20dB 1.6GHz 10dB	1GHz 18dB 3GHz 14dB
Isolation	140dB (145dB@0.5GHz)	
Output/Input Impedance	50 Ohms	50 Ohms
Output/Input Connector	SMA	SMA
Maximum Input Power	+24dBm 250mW	+30dBm @ 25ºC
Switching Speeds (12Vdc)	5ms off 10ms on	3ms off 6ms on
Monotonicity		DC to 2GHz
Size	mm 180 x 58 x 25.5 ins 7.1 x 2.3 x 1	mm 102 x 25.5 x 23 ins 4 x 1 x 0.9

APPLICATIONS

- GSM CDMA PCS
- Auto radar receiver • RF laboratory tool
- General Purpose electronics
- Education - Universities • GPIB systems
- Cellular radio • R & D Communications
- Auto communications systems
- ATE • Production test • Signal processing

UK Guide Prices excl. VAT

1.0GHz	dB125	£460
3GHz	dB127	£1000

Quartzlock dB line attenuators answer the need for high performance, close tolerance, wide range attenuation. Ease of use, reliability and repeatable results have been achieved using latest techniques in cascaded pads. THIS TIMESAVING RF LAB TOOL IS EQUALLY AT HOME IN PRODUCTION TEST.

Each attenuator stage is identical in construction employing high reliability, high frequency relays to direct the signal, which is routed either direct or via an attenuator pad. **Transmission line techniques have been used throughout in order to facilitate high frequency performance including surface mounted components** which exhibit far less parasitic reactances than conventional resistors. Finish is alachrome 1200 (black epoxy option). **3GHz Attenuators are gold plated**

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Quartzlock
The most stable Frequency Standards available
GPS & Off Air Frequency Standards
Rubidium Atomic Standards
Hydrogen Masers