

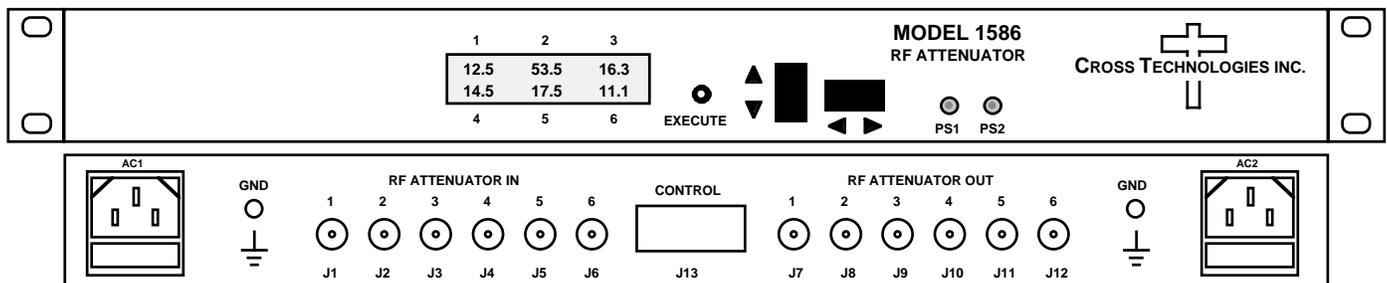


DATA SHEET

REV_A 6/29/04

1586-06 Programmable Attenuator, 6 to 12 GHz

The 1586-06 Programmable Attenuator contains six General Microwave Model 3496H-64-4 11 Bit Digital PIN Attenuators and Local/Remote control circuitry to independently adjust each attenuator. Multi-function push button switches select the attenuation locally. Local operation starts when the Execute button is pushed. The upper left first digit of the first attenuator value is underlined and the Left/Right pushbutton switch is used to select the digit to be adjusted by using the Up/Down pushbutton switch. On completion of the attenuator value adjustments, the Execute button is pushed again which stores these values and restores the operating mode to Remote. When in Local control a time-out returns the mode to Remote if no activity is noted on any of the switches for 20 seconds. The attenuator values are stored in nonvolatile memory so these values remain when power is cycled off and on. Front panel LEDs provide indication of DC power (red/green). Each General Microwave Attenuator provides an attenuation range of 64 dB from 4 to 68 dB. Remote operation also controls each attenuator and allows status monitoring of attenuator settings and power supply and summary alarms. Attenuator settings appear on the LCD display. Connectors are SMA, female for inputs and outputs and DB9 female for the RS422 remote control. Powered by redundant 100-240 \pm 10% VAC power supplies, and mounted in a 1 3/4" X 19" X 19" rack mount chassis.



1586-06 Front and Rear Panels

EQUIPMENT SPECIFICATIONS*

Input/Output Characteristics

Impedance/Return Loss	50 Ω /10 dB
Frequency	6 to 12 GHz
Level, maximum	+20 dBm
Level/1 dB	+10 dBm

Channel Characteristics

Attenuator range	4 to 68 dB
Frequency Response	
4 to 24 dB attenuation	\pm 1.5 dB
25 to 44 dB attenuation	\pm 2.0 dB
45 to 68 dB attenuation	\pm 2.0 dB
Attenuator Accuracy	
4 to 34 dB attenuation	\pm 0.5 dB
35 to 54 dB attenuation	\pm 1.0 dB
55 to 68 dB attenuation	\pm 1.5 dB
Temp Coefficient	\pm 0.025 dB/Degree C

Controls, Indicators

Attenuation Selection	direct readout LCD; pushbutton switches or remote selection
PWR	Red/Green LED; Alarm/Normal
Remote	RS422, 9600 baud, no parity, 8 data bits, 1 start and stop bit

Other

RF Connectors	SMA, female
Connector, Remote	DB9, female; - (NO or NC contact closure on Alarm-may not be needed)
Size	19 inch, 1RU standard chassis 1.75" high X 19.0" deep
Power, Redundant	100-240 \pm 10% VAC, 47-63 Hz, 45 watts max

*-20°C to +55°C; 0 to 100% humidity; all based on Model 3496H-64 specifications; Specifications subject to change without notice