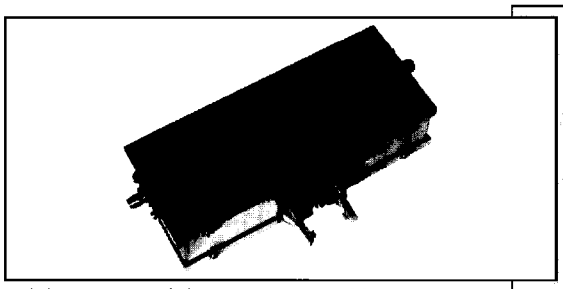
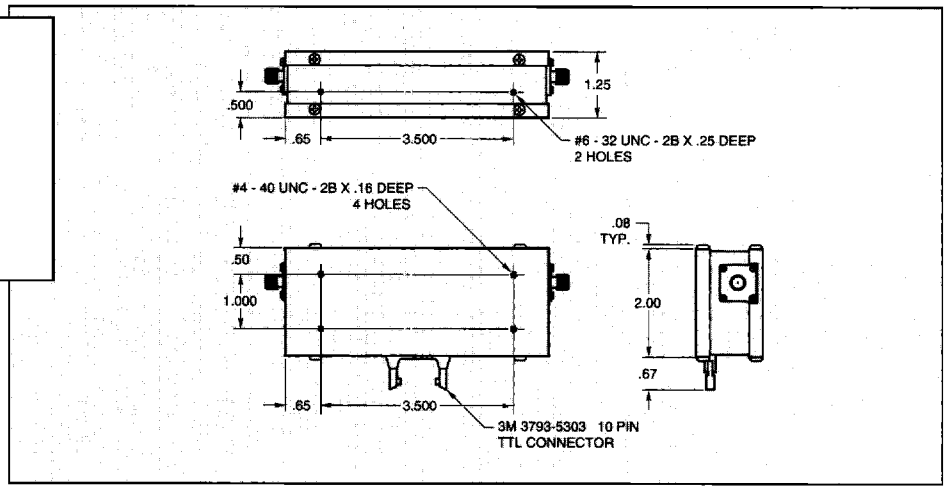
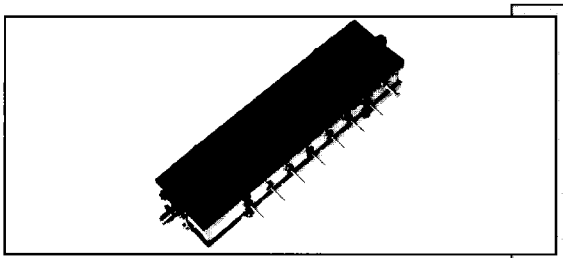
TRILITHIC



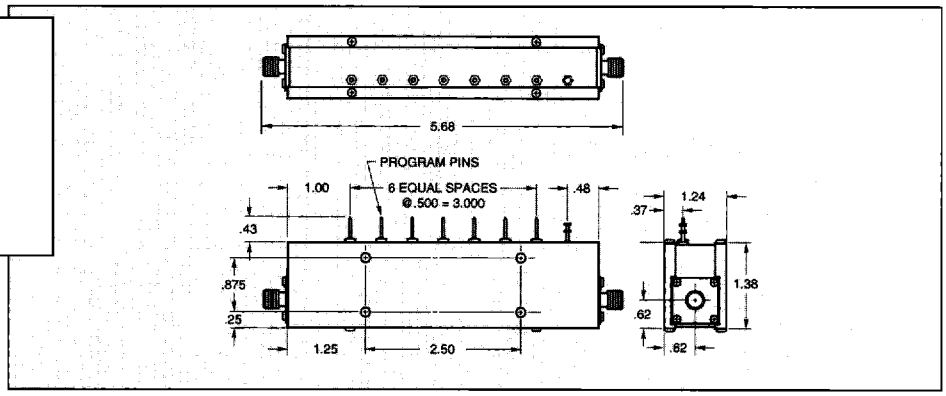
Trilithic's NEW solid state programmable attenuator model PA-1527-1 operates from 400 to 2000 MHz. The attenuation range is 0–127 dB in 1 dB steps. The switching speed is 2 microseconds. The operating supply voltage is 5 volts, and is controlled with TTL. This unit was designed and manufactured for customers in the PCS and Wireless Telephony markets. Many customers use this product in simulation lab environments or GPS testing applications.



Specifications	PA-5127-1	Specifications	PA-5127-1
Attenuation	0-127 dB in 1dB steps	**RF Input Power**	+10 dB
Attenuation Steps	1, 2, 4, 8, 16, 32 and 64 dB	**Switching Speed**	2 microseconds
Impedance	50 Ohms	**DC Supply**	+5Vdc
Frequency Range	400-2000MHz	**Operating Temperature Range**	0 to +70° C
Accuracy Max. accumulated error ± 0.5 dB or 2%	1, 2, 4, and 8 dB ± 0.25dB 16 & 32dB, ± 0.35 dB 64 dB, ± 0.50 dB	**Insertion Loss**	5 dB Max. @ 1 GHz 7 dB Max. @ 2 GHz
RF Connectors	SMA female	**DC/Control Connectors**	10 Pin TTL Connector 3M 3793-5303
Max. VSWR	1.4:1to 1500 MHz 1.5:1 to 2000 MHz	**Programming (7 lines)**	TTL Low for "0" Setting TTL High for pad setting



Trilithic's NEW high frequency programmable attenuator operates to 3 GHz! The dynamic range is 0-95 dB in 1 dB steps. This unit is relay activated and has 7 control lines. The switching speed is 6 milliseconds (max.) The insertion loss is 4.5 dB at 3 GHz. Connector options include SMA or N female.



Specifications	PA-5095	Specifications	PA-5095
Attenuation	0-95 dB in 1dB steps	**RF Input Power**	0.5 watt avg., 100 watts peak
Attenuation Steps	1, 2, 4, 8, 16, 32 and 32 dB	**Switching Speed**	6 milliseconds max.
Impedance	50 Ohms	**DC Supply**	+12 VDC @ 30 mA per relay (bit)
Frequency Range	DC to 3000MHz	**Operating Temperature Range**	-40 to +85° C
Accuracy	± 0.3 dB or 0.5% DC to 500 MHz ± 0.4 dB or 1% 500 to 1000 MHz ± 0.5 dB or 1% 1000 to 2000 MHz ± 0.6 dB or 1.5% 2000 to 3000 MHz	**Insertion Loss**	2.5 dB DC to 1000 MHz 3.5 dB 1000 to 2000 MHz 4.5 dB 2000 to 3000 MHz
Connectors	N or SMA female	**Repeatability**	± 0.2 dB at any setting
Max. VSWR	1.35:1 DC to 1500 MHz 1.5:1 1500 to 3000 MHz	**Typical Life**	10 million operations per relay