



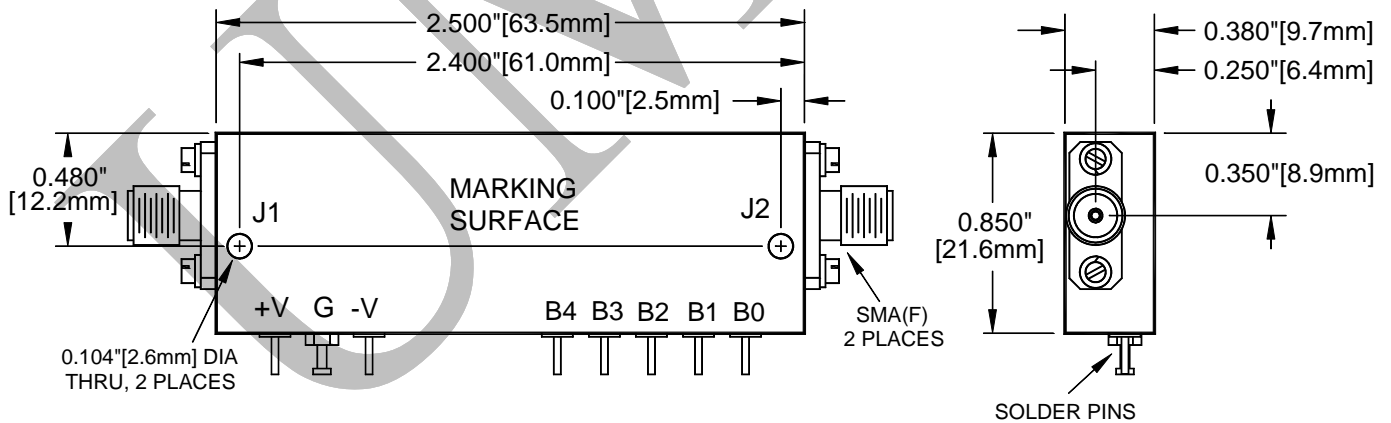
**Model: AS-M500-31S**

Description:	Attenuator, Switched Bit
Operating Frequency:	4 – 10 GHz
Insertion Loss (0dB Ref Attn.):	6.5 dB Max
Attenuation Range/Resolution:	31dB Nominal / LSB = 1dB
Attenuation Accuracy (Mean Attenuation):	1-10dB ..... ±0.75 dB Max
	>10-31dB ..... ±1.25 dB Max
Control Characteristics:	Std-TTL, 5 Bits, (B0=1dB, B1=2dB, B2=4dB, B3=8dB, B4=16dB)
Control Logic:	(Logic "0" = Low Loss <> Logic "1" = Attenuation)
VSWR:	1.7:1 Max
Attenuation Flatness:	0.7 dB Pk-Pk..... up to 10 dB
	0.9 dB Pk-Pk..... up to 20 dB
	1.2 dB Pk-Pk..... up to 31 dB
Power Handling (Operating):	+27dBm CW/AVG / 8W Peak, 1µs PW
Harmonic Distortion:	70dBc
Rise/Fall time (10% to 90% RF-Pwr <> 90% to 10% RF-Pwr):	15 ns Max
ON/OFF time (50% TTL to 90% RF-Pwr <> 50%TTL to 10% RF-Pwr):	50 ns Max
Connectors (RF):	SMA (f), Removable
Connector (Supply & Controls):	Solder Pins
Power Supply:	+5(±0.25) V @ 180 mA Max
	-5(±0.25) V @ 150 mA Max
Impedance:	50 Ohms Nominal
Quality:	Best-Commercial-Grade

**Environmental Ratings:**

Temperature:	{Operating: -55°C to +95°C} & {Storage: -60°C to +110°C}
Humidity:	MIL-STD-202F, Method 103B, Cond. B (96 hours at 95% R.H.)
Shock:	MIL-STD-202F, Method 213B, Cond. B (75G, 6mSec)
Vibration:	MIL-STD-202F, Method 204D, Cond. B (.06" double amplitude, or 15G)
Altitude:	MIL-STD-202F, Method 105C, Cond. B (50,000 Feet)
Temp. Shock:	MIL-STD-202F, Method 107D, Cond. A (5 cycles)

**Outline**



(Tolerances: ±0.010" [±0.25mm] <> Weight: 1.0 oz [28.3g])