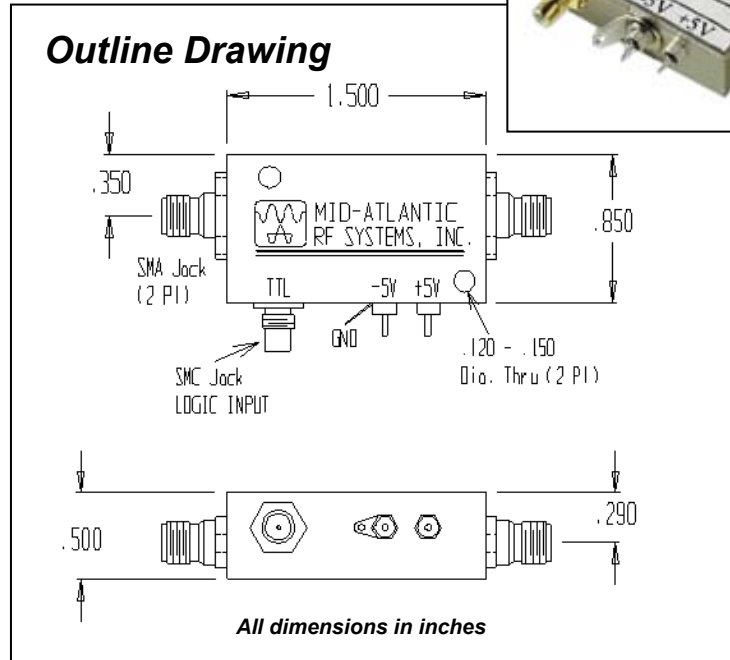
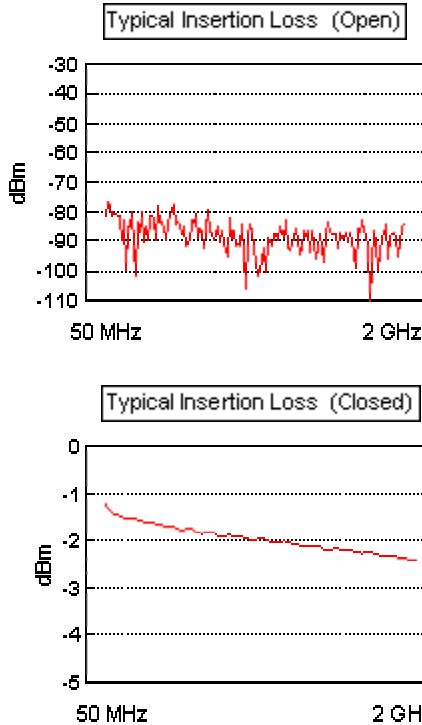


SPM01C SPST RF Switch



Overview

Mid-Atlantic RF Systems offers an absorptive single pole, high isolation single throw RF switch. The model SPM01C offers high speed performance over a wide frequency range. Both ports are matched in either state and the switch is controlled by an integral TTL compatible driver. Connectors are standard SMA for the RF ports and SMC for the logic input. The unit is powered by +5 VDC and -5 VDC.

Electrical Specifications:

Frequency Range:	10 MHz to 2.0 GHz
Insertion Loss:	2.6 dB max.
Isolation:	70 dB
VSWR:	1.45:1
Input Power (P1 dB):	19.0 dBm typ.
Switching Speed:	20 ns max. (50% TTL to 90% RF)
Switch Drive:	TTL, Logic 1 = Port 1 on Input \leq 0.8 TTL Loads
Drive Speed:	12.5 MHz min.
Video Leakage:	20mV p-p max., 50 Ohm Load
Power Requirements:	+5 VDC 25 mA, -5 VDC 20 mA

Mechanical Specifications:

Dimensions:	1.5" x 0.85" x 0.5"
Connectors:	SMA (f) x2, SMC (f)
Vibration:	Sine: 10g peak, 20 Hz – 2 kHz, 3-axes Random: 0.065g ² /Hz 20 Hz – 2 Hz
Constant Acceleration:	100g 3-axes

Environmental Specifications:

Storage Temperature:	-55°C to +85°C
Operating Temperature:	-40°C to +55°C
Altitude:	Unlimited
Humidity:	100% R/H