



Miniature Analog Programmable Attenuator

J F W INDUSTRIES INC

46E D ■ 4897178 000033L 409 ■ JFW

T-74-13-01

Frequency Range

50-1000 MHz

Attenuation Range

0-25 dB continuously variable

Impedance

50 Ohms Nominal

VSWR (any setting)

1.5:1 Maximum

Flatness

± 1 dB Maximum

typically ± .5 dB thru 20 dB

Insertion Loss

3 dB Maximum

RF Input Power

+ 10 dBm

Intercept Point

+ 35 dBm

Switching Speed

20 Microseconds

Bias

+ 5 Vdc @ 2 mA

Connectors

P.C.B. Pins

Control (negative slope)

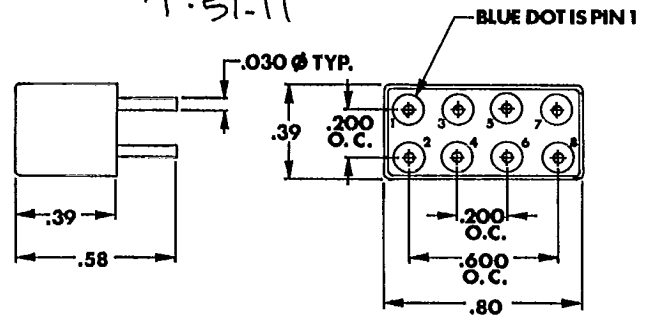
0 to 10 Volts @ 5 mA

(10 Volts = insertion loss)

(0 Volts = maximum attenuation)

Model 50AP-016

T-51-11



PIN#	FUNCTION
1	+ 5Vdc BIAS
2	RF IN/OUT
3	GROUND
4	NO CONNECTION
5	GROUND
6	NO CONNECTION
7	0-10Vdc CONTROL
8	RF IN/OUT

Miniature Switch

Frequency Range

5-1500 MHz

Impedance

50 Ohms Nominal

VSWR (Maximum)

5-500 MHz 1.3:1 maximum

500-1000 MHz 1.4:1 maximum

1000-1500 MHz 1.5:1 maximum

Insertion Loss

5-250 MHz 1.0 dB

250-500 MHz 1.5 dB

500-1000 MHz 2.0 dB

1000-1500 MHz 3.0 dB

Isolation (Minimum)

5-250 MHz 60 dB minimum

250-500 MHz 50 dB minimum

500-1000 MHz 40 dB minimum

1000-1500 MHz 35 dB minimum

Switching Speed

5 Microseconds

Control Voltage

+ 5 Vdc @ 10mA

RF Input

+ 20 dBm

Operating Temperature Range

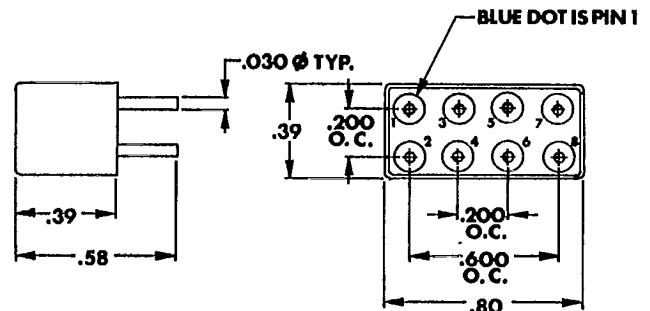
-20°C to + 85°C

Connectors

P.C.B. Pins

Model 50S-067

1P1T



PIN#	FUNCTION
1	RF IN
2	GROUND
3	CONTROL
4	NO CONNECTION
5	GROUND
6	GROUND
7	GROUND
8	RF OUT

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