Precision Solid State Step Attenuators

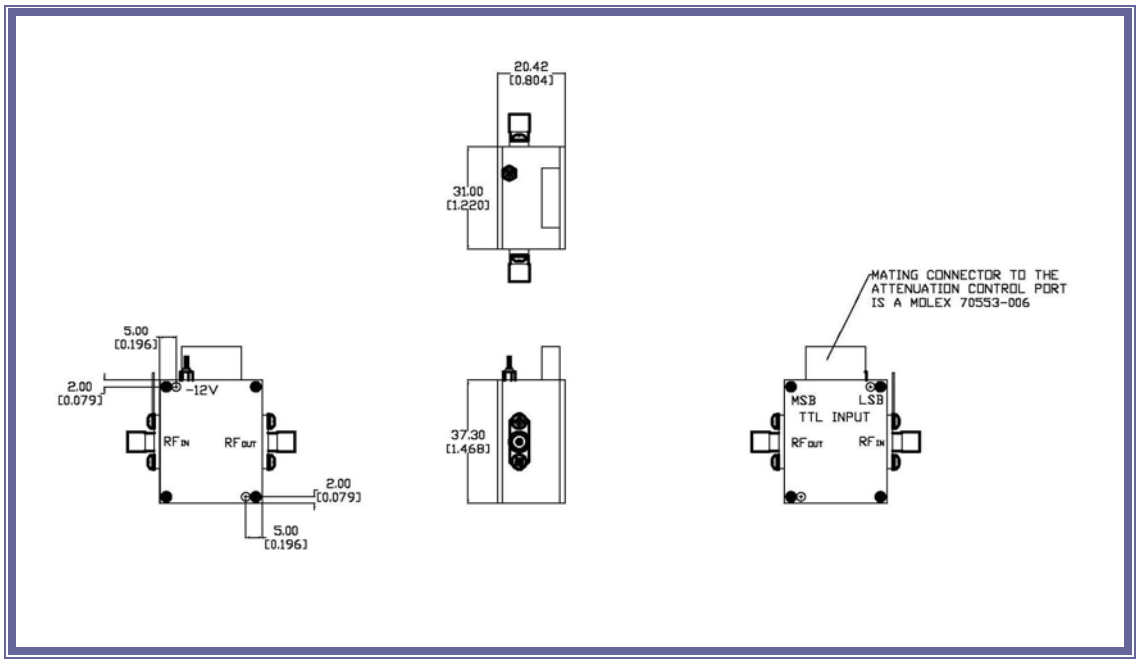
Picture is representative

Model Number	50MAP7G31.5SS	50MAP7G63SS
Frequency Range	2 MHz -7000 MHz	2 MHz- 7,000 MHz
Total Attenuation	31.5 dB	63.0 dB
Steps	0.5,1,2,4,8,16 dB	1,2,4,8,16,32 dB
Impedance	50 Ohms	50 Ohms
Accuracy		
0.5 dB to 15.5 dB	+/- 0.3 +3% of attenuation setting	+/- 0.3 +3% of attenuation setting
16.0 dB to 31.5 dB	+/- 0.3 +5% of attenuation setting	+/- 0.3 +5% of attenuation setting
32 to 63.5 dB	n/a	+/- 0.3 +5% of attenuation setting
1 dB compression point	+25 dBm	+25 dBm
Insertion loss	4.0 dB	7.0 dB
VSWR	1.75:1	2.0 :1
Connectors	sma(f)	sma (f)
Switching speed	90 nS	90 nS
DC Voltage	-12 V @ 50 mA	-12V @ 50 mA
DC Control	TTL high on	TTL high on
Outline	AT3	AT3

Outline AT3

Control Configuration: Connector for control of the attenuator is a via a molex 7 pin connector. The mating connector required is Molex 70553-006. Attenuation is fail-safe to "0" setting in the absence of a control voltage as long as the -12 V is applied. Application of voltage (+) to a particular cell causes it to switch to the attenuate position. These levels are compatible with TLL levels, the threshold for a high is 2 V.

Note: control is non-latching and requires a continuous control signal for the period of time in which attenuation is required.



Dimensions mm[in]