

Step Attenuators

SERIES MW SA

- ▶ High Performance
- ▶ High Speed
- ▶ Temperature Compensated
- ▶ Flat Frequency



GENERAL INFORMATION

This series of step attenuators utilizes beam lead pin diodes as the switching element and T pad resistors as the attenuation element. These T pads are switched in any combination of discrete values by pairs of high speed diode switches.

Any value of attenuation between 0 to 63 dB in 1 dB steps can be provided by changing the input word.

GENERAL SPECIFICATIONS

| | |
|-----------------------------|----------------|
| Attenuation Range | up to 63 dB |
| Switching Speed | 50 ns |
| Accuracy of Attenuation | ±1 dB |
| Operating Temperature Range | -55°C to +95°C |

HOW TO ORDER

To order the above mentioned attenuator please state the model number. For other frequency ranges please contact manufacturer.

SPECIFICATIONS

MW SA Step Attenuators

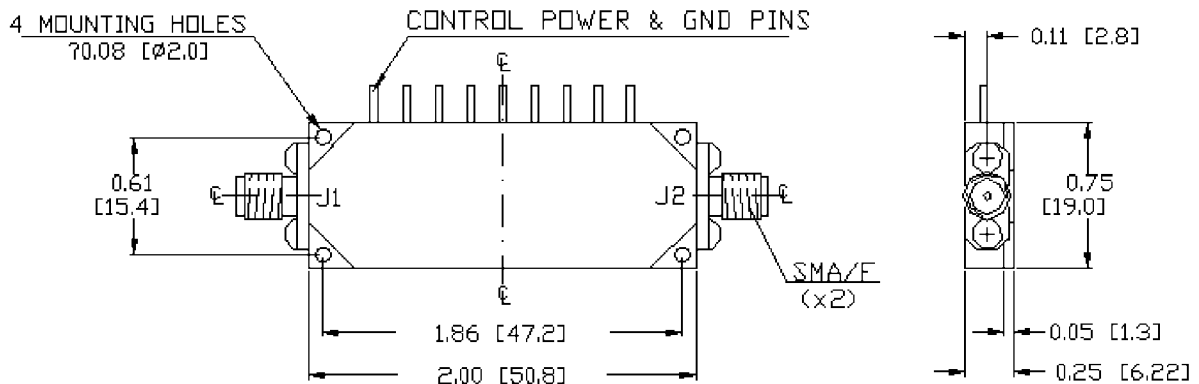
| Model Number | Frequency Range (GHz) | Step Size (dB) | Number of Bits | Insertion Loss max (dB) | VSWR max | Flatness (±dB) | | DC Power Supply | | Attenuation Range (dB) | Power Handling Capability (W) | Case |
|--------------|-----------------------|----------------|----------------|-------------------------|----------|----------------|-------------|-----------------|------------|------------------------|-------------------------------|------|
| | | | | | | Up to 30 dB | Up to 60 dB | (V) | (mA) | | | |
| MW SA20606 | 2 – 6 | 1 | 6 | 5.0 | 2.0 | 0.7 | 1.5 | +5 -12 | 150 140 | 63.0 | 0.1 | AST |
| MW SA20602 | 2 – 6 | 30 | 2 | 2.5 | 1.8 | 0.5 | 1 | +5 -12 | 100 50 | 60.0 | 0.1 | BST |
| MW SA80101 | 8 – 10 | 30 | 1 | 2.0 | 1.8 | 0.5 | - | +5 -12 | 50 50 | 30.0 | 0.1* | CST |

* Operating temperature range is -55°C to +70°C.

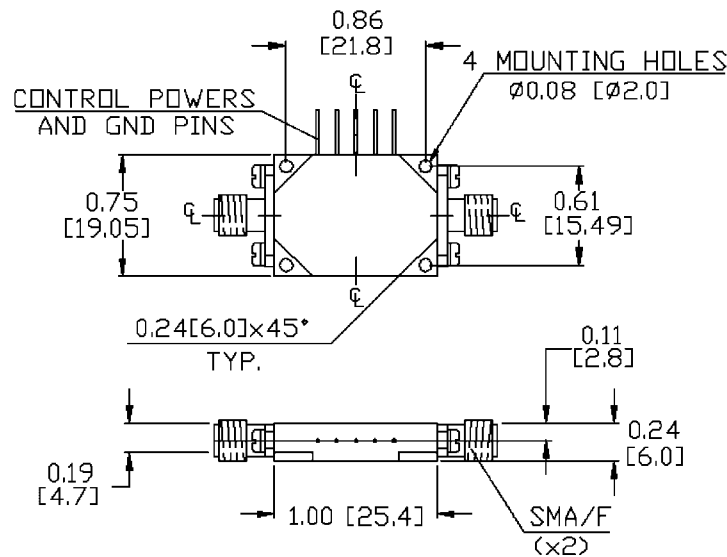
Outline Drawings

All dimensions are in inches and (mm). Drawings are in first angle projection.

CASE AST



CASE BST



CASE CST

