

PRINCIPAL SPECIFICATIONS

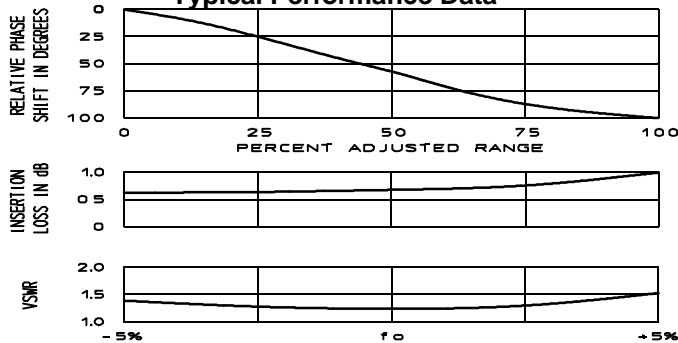
| Model Number | Center Frequency, f_0 , MHz | Usable Bandwidth, MHz |
|--------------|-------------------------------|-----------------------|
| PSM-2A-60 | 60 | 57 - 63 |
| PSM-2A-**B | 10 to 500 | $f_0 \pm 5\%$ |

For complete Model Number replace ** with desired Center Frequency, f_0 in MHz.

GENERAL SPECIFICATIONS

Phase Shift Range: 90° min. @ f_0
 Insertion Loss: 1.5 dB max.
 Impedance: 50 Ω nom.
 VSWR: 1.6:1 max.
 Screw Drive: Multi-Turn
 Turns for maximum phase shift:
 10 MHz to 125 MHz: 32 turns nom.
 125 MHz to 500 MHz: 18 turns nom.
 CW Power: 0.5 Watts max.
 Weight, nominal: 2 oz (58 g)
 Operating Temp: -55° to +85°C

Typical Performance Data

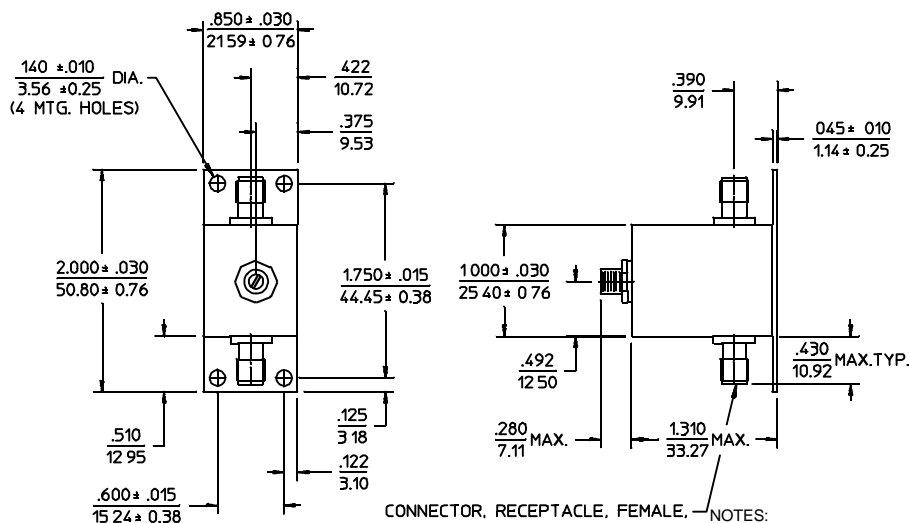


General Notes:

1. The PSM-2A series provides continuous phase shift in the range of 0° to 90° using a multi-turn adjustment screw.
2. These phase shifters employ lumped element quadrature hybrids with capacitor tuned LC networks acting as sliding short circuits on the outputs. The electrical length of the short effectively delays the reflected signal which appears at the isolated port of the quadrature hybrid.

Package Outline

22Feb96



CONNECTOR, RECEPTACLE, FEMALE, SMA TYPE, MATES MATES WITH CONNECTOR, PLUG, MALE, PER MIL-C-39012 TYP. 2 PLACES

NOTES:

1. Tolerance on 3 place decimals ±.020(.51) except as noted.
2. Insertion phase increases with clockwise rotation of screw.
3. Dimensions in inches over millimeters.