

PSM-2A SERIES – PHASE SHIFTERS, MANUAL

TECHNICAL FEATURE

FEATURES

- 10 to 500 MHz
- 0° to 90°
- 10% bandwidth
- Multi-Turn Adjustment, High Resolution Units

PRINCIPAL SPECIFICATIONS

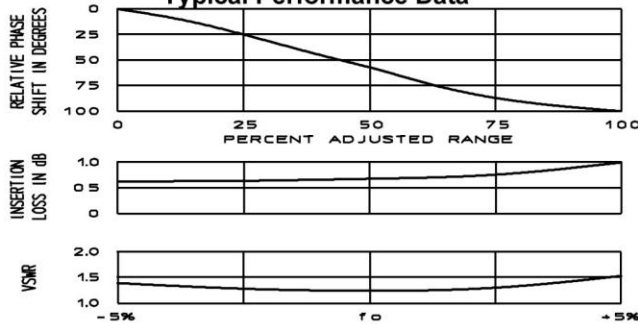
Model Number	Center Frequency, f_0 , MHz	Usable Bandwidth, MHz
PSM-2A-60	60	57 - 63
PSM-2A-**B	10 to 500	$f_0 \pm 5\%$

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

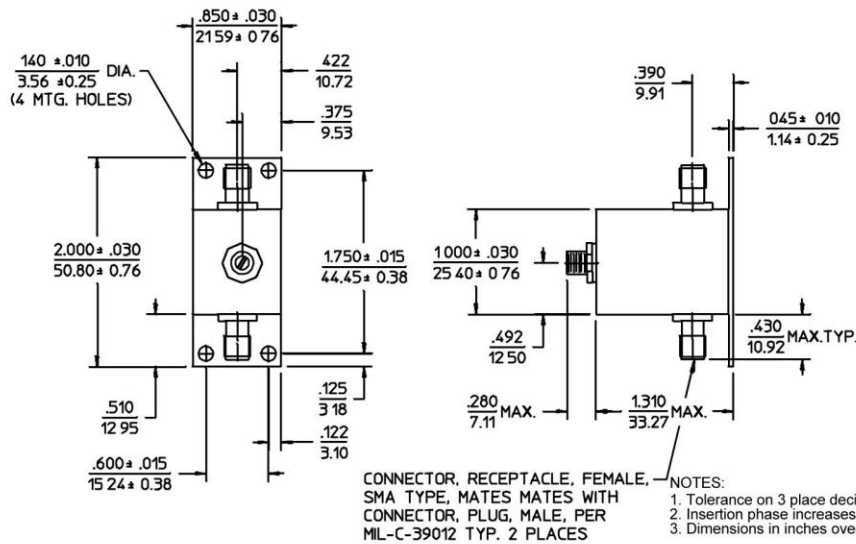
Typical Performance Data



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



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