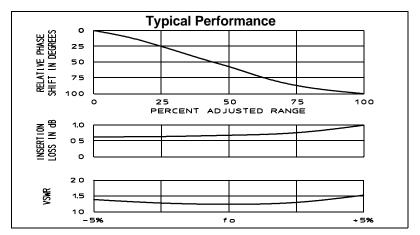
10 to 500 MHz / 0° to 90° / 10% Bandwidth / Multi-Turn Adjustment, High Resolution Manual Units



## 



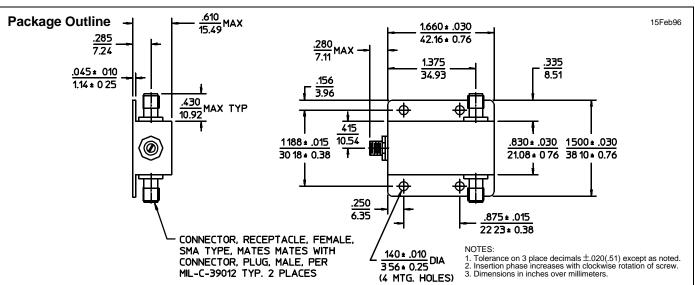
## **GENERAL SPECIFICATIONS**

Phase Shift Range 90° min. @ fo Insertion Loss: 1.5 dB max. Impedance: 50  $\Omega$  nom. VSWR: 1.6:1 max. Screw Drive: Multi-Turn Turns for maximum phase shift:

10 MHz to 125 MHz:
125 MHz to 500 MHz:
18 turns nom.
18 turns nom.
0.5 Watts max.
Weight, nominal:
2 oz (58 g)
Operating Temp:
-55° to +85°C

## **General Notes:**

- 1. The PSM-2 series adjusts phase continuously with a multi-turn screw from 0° to 90°.
- 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.



For further information contact M ERRM AC /41 Fairfield Pl., West Calby ell, NJ ,07006 / 973-575-1300 /FAX 973-575-0531