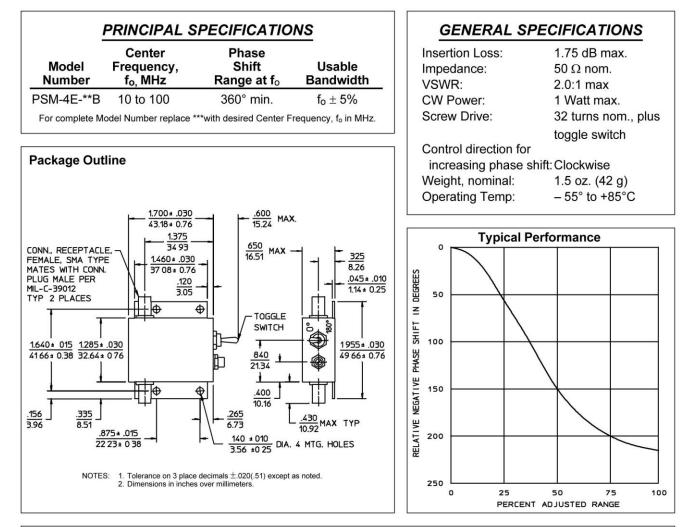
## **PSM-4E SERIES – PHASE SHIFTERS, MANUAL**

## **TECHNICAL FEATURE**

## **FEATURES**

- 10 to 100 MHz
- 0° to 180° Continuous Plus 180° Switch
- 10% Bandwidth
- SMA Connectors



## General Notes:

1. The PSM-4E series of Phase Shifters provides continuously variable phase shift across the range of 0° to 180°. An additional 180° phase shift can be switched in to provide a total range of 360°.

2. To realize variable phase shifts, these models employ a lumped element quadrature hybrid with a matched pair of L-C networks acting as sliding short circuits on the outputs. The electrical length of the short effectively delays the reflected signal that appears at the isolated port of the quadrature hybrid.

3. Merrimac phase shifters are designed for high reliability and can be supplied screened for specific applications.

15Feb96

CRANE

AEROSPACE &

ELECTRONICS

Crane Aerospace & Electronics

Microwave Solutions – Merrimac Industries 41 Fairfield Place, West Caldwell, NJ 07006

+ 1.973.575.1300 ext. 1309 • <u>mw@crane-eg.com</u>

www.craneae.com/mw

