

| GENERAL SPECIFICATIONS |  |
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| Insertion Loss: | 1.75 dB max. |
| Impedance: | $50 \Omega \mathrm{nom}$. |
| VSWR: | $2.0: 1 \mathrm{max}$ |
| CW Power: | 1 Watt max. |
| Screw Drive: | 32 turns nom., plus |
|  | toggle switch |
| Control direction for |  |
| increasing phase shift:Clockwise |  |
| Weight, nominal: | 1.5 oz. $(42 \mathrm{~g})$ |
| Operating Temp: | $-55^{\circ}$ to $+85^{\circ} \mathrm{C}$ |



## General Notes:

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