

# PSM-3E SERIES – PHASE SHIFTERS, MANUAL

## TECHNICAL FEATURE

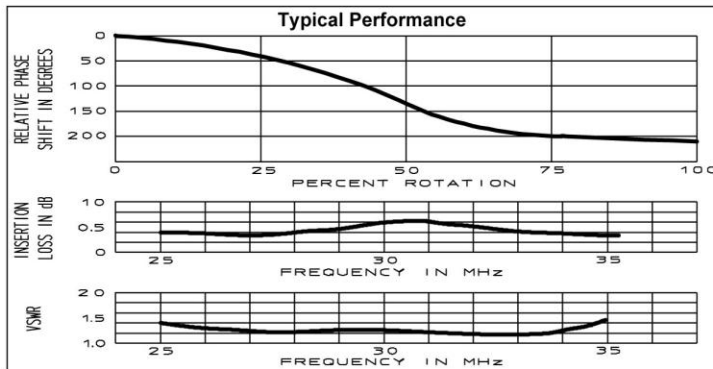
### FEATURES

- 5 to 1000 MHz
- 0° to 180° Range
- 10% Bandwidth
- Screw Adjustment
- SMA Connectors

### PERFORMANCE SPECIFICATIONS

Model Number	Center Freq., $f_0$ , MHz	Usable Bandwidth, MHz	Insertion Loss, dB, Max.	VSWR, Max.	Rotation for Maximum Phase Shift	CW Power, W, Max.	Weight, oz. (g) Nom.
PSM-3-60	60	57 - 63	1.0	1.5:1	Quarter Turn	1	3.5 (100)
PSM-3-***B	5 to 300	$f_0 \pm 5\%$	1.0	1.5:1	Quarter Turn	1	3.5 (100)
PSM-3-***B	300 to 500	$f_0 \pm 5\%$	1.0	1.5:1	Multi-Turn	1	3.5 (100)
PSM-3-***B	500 to 1000	$f_0 \pm 5\%$	1.5	1.8:1	Multi-Turn	1	3.5 (100)

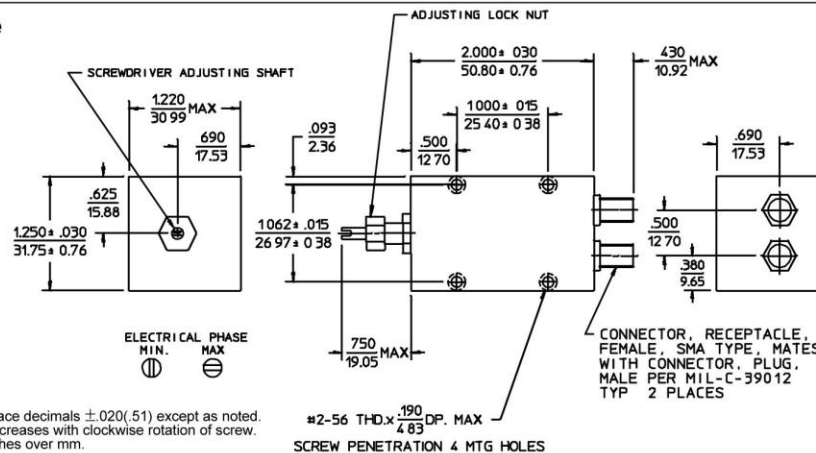
For complete Model Number replace \*\*\* with desired Center Frequency,  $f_0$  in MHz.



### General Notes:

1. The PSM-3 phase shifters series provides continuous phase adjustment across a range of 0° to 180° using a precision screw adjustment.
2. Each unit in the series employs a lumped element quadrature hybrid with a tuned LC network acting as sliding short circuits on the outputs to delay the reflected signal. Similar phase shifters are available for higher frequencies and wider bandwidths.
3. All models may be supplied screened for compliance with specifications according to your requirements.

### Package Outline



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