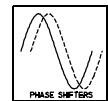


PSP & PSPM Series

PHASE SHIFTERS, MANUAL

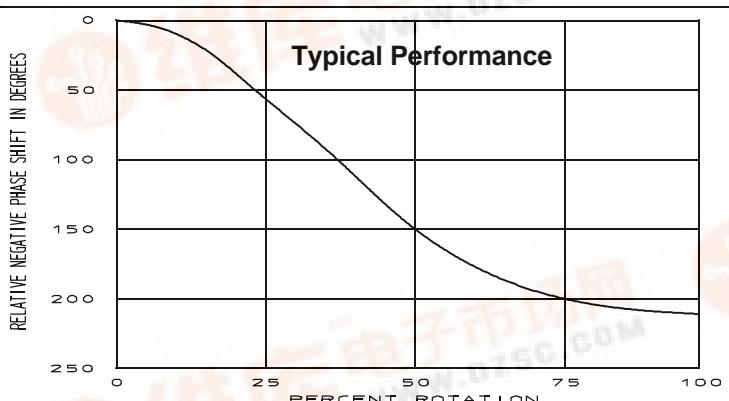
10 to 500 MHz / 0° to 180° Continuous Plus 180° Switch / 10% Bandwidth / BNC or SMA



PRINCIPAL SPECIFICATIONS

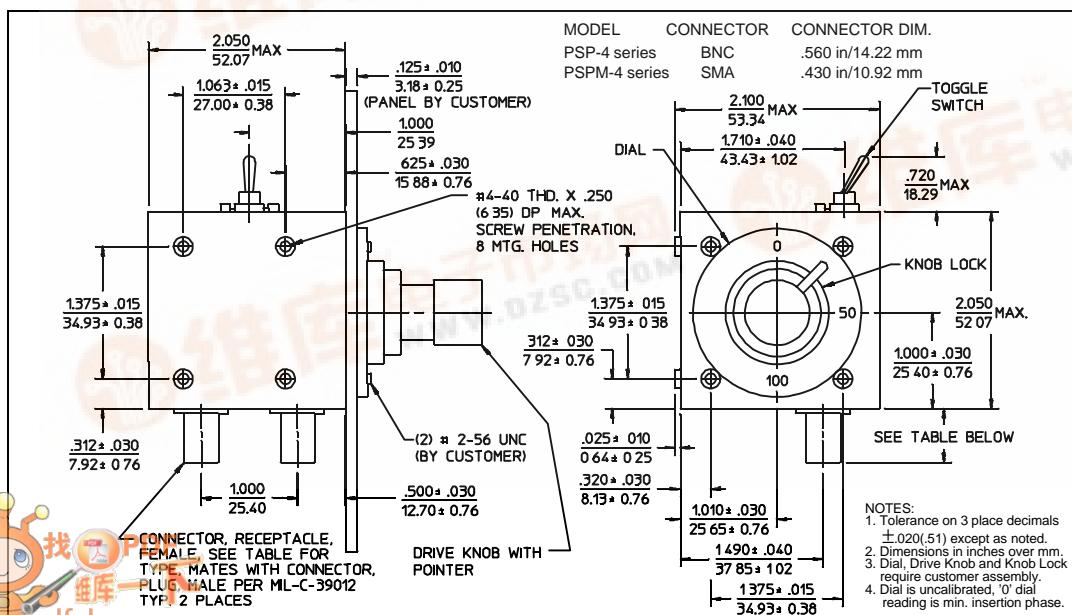
Center Frequency, f_0 , MHz	BNC Model Number	SMA Model Number	Usable Bandwidth	Insertion Loss, dB, Max.	VSWR Max. (In/Out)	CW Power, W, Max.
10 to 100	PSP-4-***B	PSPM-4-***B	$f_0 \pm 5\%$	1.75	1.75:1	1
100 to 500				2.25	2.0:1	

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



GENERAL SPECIFICATIONS

Phase Shift Range:	0° to 360° @f ₀
Impedance:	50 Ω nom.
Manual Drive:	Knob/Lock for 180° continuous plus 0°/180°
	Toggle Switch
Rotation:	Half-Turn nominal for total phase range
Direction:	Clockwise increases insertion phase
Weight, nominal:	6.5 oz (185 g)
Operating Temp.:	– 55° to +85°C



General Notes:

1. The PSP and PSPM series of panel mountable phase shifters use lumped element quadrature hybrids together with tunable pair of LC networks to generate variable phase shifts up to 180° . An additional 180° of phase shift is available by activating the included switch.
2. The continuous phase shift control is provided with a lock to prevent inadvertently changing the setting.
3. If continuous 0° to 360° phase shift is required, Merrimac's PS-5 series should be considered.