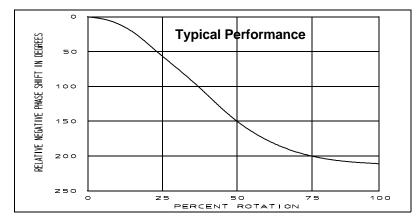
10 to 500 MHz / 0° to 180° Continuous Plus 180° Switch / 10% Bandwidth / BNC or SMA



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



GENERAL SPECIFICATIONS

Phase Shift Range: 0° to 360° @f₀ Impedance: 50Ω 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 6.5 oz (185 g)

Weight, nominal: 6.5 oz (185 g)
Operating Temp.: -55° to +85°C

MODEL CONNECTOR CONNECTOR DIM. 2.050 52.07 MAX PSP-4 series .560 in/14.22 mm BNC .125 ± .010 .430 in/10.92 mm PSPM-4 series 1.063 ± .015 27.00 ± 0.38 3.18 a 0.25 (PANEL BY CUSTOMER) TOGGLE 2.100 53.34 MAX SWITCH 1.000 25 39 1.710 ± .040 43.43± 1.02 .720 18.29 MAX 15 88 ± 0.76 #4-40 THD. X .250 (6 35) DP MAX. SCREW PENETRATION. **⊕** 8 MTG. HOLES KNOB LOCK 1.375 ± 015 34 93 ± 0 38 1.375 ± .015 2.050 52 07 MAX. 34.93± 0.38 1.000 ± .030 7 92 : 0.76 25 40 ± 0.76 **(D) ⊕** 100 SEE TABLE BELOW .025 a 010 .312± .030 7.92± 0.76 (2) # 2-56 UNC (BY CUSTOMER) 064±025 1 .320 ± .030 .500 ± .030 12.70 ± 0.76 NOTES:

1. Tolerance on 3 place decimals
±0.20(,51) except as noted.

2. Dimensions in inches over mm.

3. Dial, Drive Knob and Knob Lock require customer assembly. 8.13 = 0.76 1.010 ± .030 25 65 ± 0.76 CONNECTOR, RECEPTACLE, FEMALE, SEE TABLE FOR TYPE, MATES WITH CONNECTOR, PLUG, MALE PER MIL-C-39012 TYP. 2 PLACES 1490± .040 DRIVE KNOB WITH 37 85 ± 102 Dial is uncalibrated, '0' dial reading is min. insertion phase

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.

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