



## Octave-Band Analog Phase Shifters

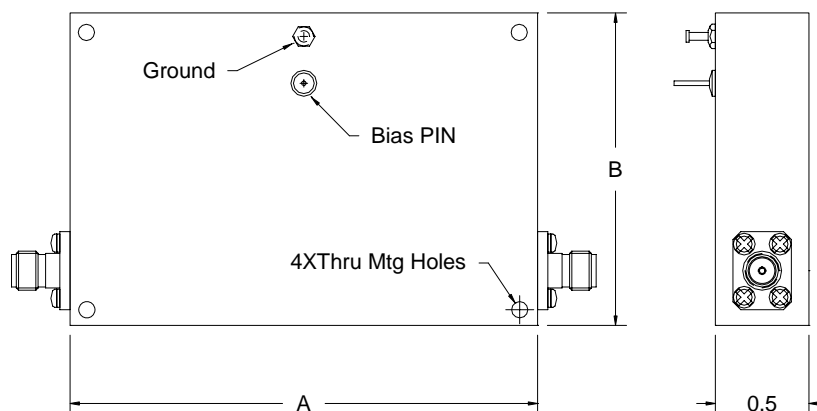
### FEATURES

- ❖ Low Insertion Loss
- ❖ Low VSWR
- ❖ Monotonicity Guaranteed
- ❖ Wide Phase Shift Range
- ❖ High Power Handling

### SPECIFICATIONS

Octave-Band Analog Voltage Controlled Phase Shifters							
Model Number	Frequency Range (GHz)	Phase Shift (deg)	Insertion Loss (dB)	Amplitude Ripple ( $\pm$ dB)	VSWR	Phase Flatness ( $\pm$ %)	Outline Figures
PA-051-360	0.5-1	360	4.5	1.25	1.5:1	15	1
PA-12-360	1-2	360	4.5	1.5	1.6:1	15	2
PA-24-360	2-4	360	5.0	1.5	1.7:1	15	3
PA-48-360	4-8	360	8.0	1.5	1.7:1	15	4
PA-612-360	6-12	360	12	2.0	1.8:1	15	4
PA-816-360	8-16	360	14	3.5	2.0:1	15	4

- Note 1. Monotonicity guaranteed for all models.  
 Note 2. Other phase shift value and control voltage range are available on request.  
 Note 3. Other frequency bands are available.  
 Note 4. Linearization is available on request, DC voltage of  $\pm 15V$  at  $\pm 30$  mA are required.  
 Note 5. Damage input power level is 1 W CW and 100 W peak.  
 Note 6. Phase shift speed is 10 ns typically. With linearizer, it is 50 ns.  
 Note 7. Miniaturization available on request.



Outline		
Figure	A (inch)	B (inch)
1	7.8	2.5
2	6.5	2.5
3	6.5	2.0
4	5.0	2.0