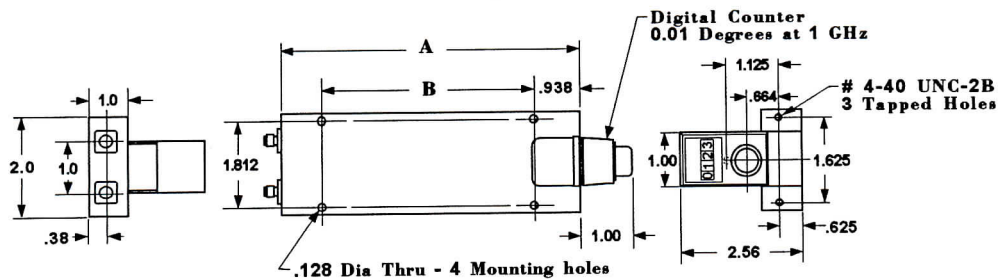
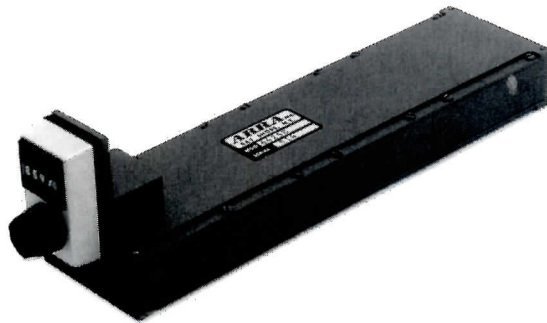


HIGH RESOLUTION PHASE SHIFTERS

DC-18.0 GHz
Direct Reading



Form Factor	
SMA	0-3178
Type N	0-3390

GENERAL DESCRIPTION

This series of directly calibrated phase shifters feature a very high degree of accuracy and extremely high resolution for fine tuning of phase. The digital readout is calibrated in $0.01^\circ/\text{GHz}$ increments with an accuracy of $\pm 0.1^\circ$.

Altho units are calibrated at 1 GHz, use at other frequencies is easily obtained by multiplying phase read-out x operating frequency in GHz.

GENERAL SPECIFICATIONS

Frequency Range DC-18 GHz
 Phase Adjustment See below
 VSWR (max) 1.3 to 4 GHz
 1.5 to 12 GHz
 1.6 to 18 GHz
 Ins Loss (max) 0.5 dB to 8 GHz
 0.75 dB to 12 GHz
 1.0 dB to 18 GHz
 RF Power 100 Watts average
 5 kW peak

Connectors * SMA Female standard
 Control 1/4 " Non-Translating Shaft
 Material :
 Body Aluminum
 Connectors MIL-C-39012
 Mounting Provisions 4 thru holes
 3 tapped holes
 Finish ARRA Blue per MIL-C-22750

Frequency Range (GHz)	Insertion Delay (Approx) nsec	Min Phase Adjustment	Dimensions - Inches		Model No. *
			A	B	
DC-18.0	0.88 min 1.10 max	$60^\circ/\text{GHz}$ 360° at 6 GHz	5.50	3.625	9425A
DC-18.0	0.68 min 0.78 max	$30^\circ/\text{GHz}$ 180° at 6 GHz	3.75	1.875	9425B
DC-12.0	1.20 min 1.49 max	$90^\circ/\text{GHz}$ 540° at 6 GHz	8.00	6.125	6425E

* To specify Type N connectors, contact factory.