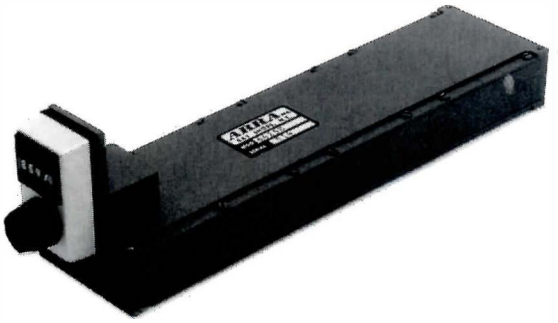
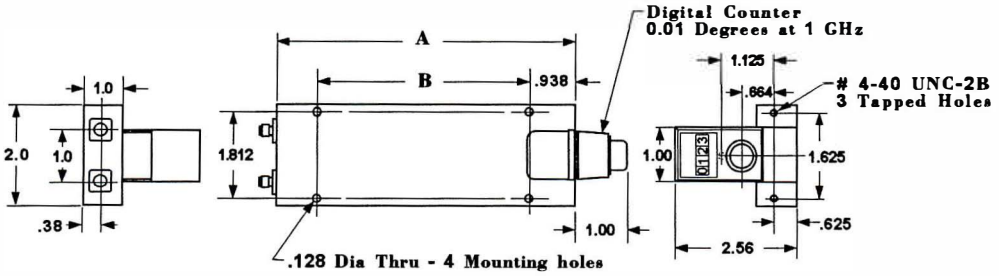
ARRA INC.
ANTENNA & RADOME RESEARCH ASSOCIATES
Tel 516-231-8400 Fax 516-434-1116

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°/GHz increments with an accuracy of ±0.1°.

Altho units are calibrated at 1 GHz, use at other frequencies is easily obtained by multiplying phase readout 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°/GHz 360° at 6 GHz	5.50	3.625	9425A
DC-18.0	0.68 min 0.78 max	30°/GHz 180° at 6 GHz	3.75	1.875	9425B
DC-12.0	1.20 min 1.49 max	90°/GHz 540° at 6 GHz	8.00	6.125	6425E

* To specify Type N connectors, contact factory.

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