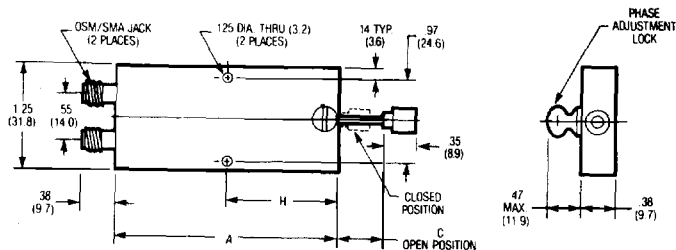


Phase Shifters

- Fixed Connector Positions
- Low Loss
- Broadband
- Choice of Minimum Phase Shift
- Temperature Range: -65° to $+125^{\circ}\text{C}$
- Power: Average 50 Watts
Peak 1000 Watts

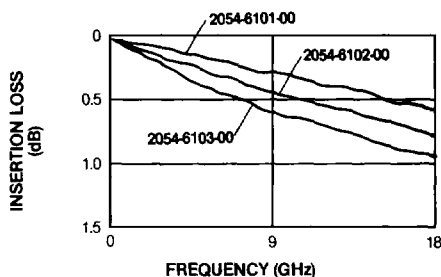
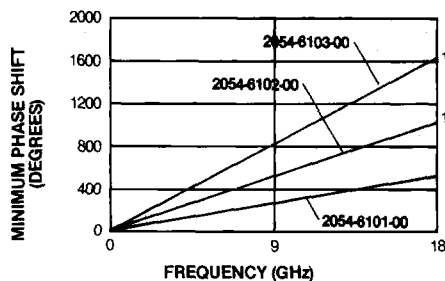
This is a new series of broadband coaxial mechanical phase shifters. These trombone style line stretchers have fixed input/output connectors so they can be used to equalize or change phase slopes in a chain of hard mounted components, without the addition of cable service loops. Airline design and precision tolerancing of internal slide connections allow for a low loss device that can be manually set to precise phase lengths and, once locked in place, remains stable in the roughest shock, vibration and thermal environments (meets MIL-E-5400 and MIL-E-16400 environments). Three different phase slope units are offered so that insertion loss is minimized. Other connectors, phase slopes and configurations are available upon request.



Finish: Medium gray paint. Passivated stainless steel connectors.

NOTE: All dimensions are $\pm .020$, except mounting hole diameters ($\pm .005$) and mounting hole locations ($\pm .010$).

TYPICAL PERFORMANCE



SPECIFICATIONS

PART NO.	PHASE SHIFT (min.)	INSERTION LOSS (dB)	VSWR (Ratio)	SIZE, INCHES (mm)			WEIGHT	
				A	C	H	oz.	g
2054-6101-00	30 Deg./GHz	0.5 + .025 f(GHz)	1.5, dc-10 GHz 1.7, 10-18 GHz	2.50 (63.5)	.50 Nom. (12.7)	1.25 (31.8)	2.5	71.4
2054-6102-00	60 Deg./GHz	0.5 + .035 f(GHz)	1.6, dc-10 GHz 1.8, 10-18 GHz	3.50 (88.9)	1.00 Nom. (25.4)	1.75 (44.5)	3.5	100.0
2054-6103-00	90 Deg./GHz	0.5 + .045 f(GHz)	1.6, dc-10 GHz 1.8, 10-18 GHz	4.50 (114.3)	1.50 Nom. (38.1)	2.25 (57.2)	4.5	128.6

Specifications Subject to Change Without Notice.