

Mechanical Phase Shifters



- /// DC to 20 GHz; Low Loss; Linear
- /// **Self Locking** - Internal mechanism eliminates the need for a locking nut. Ideal for phase trimming in densely packaged systems with minimum accessibility.
- /// **EDGE LINE** designs for ultra fine resolution to 22 GHz
- /// **COAXIAL** designs for broadband low-loss operation to 18 GHz
- /// **STRIPLINE** designs for lower cost applications to 12 GHz

General Information





In this section of the catalog, each Phase Shifter is outlined utilizing individual data sheets containing product features, specifications, and outline drawings. These data sheets are preceded by a quick reference guide to help you select the Phase Shifter(s) that fits your needs. The page number for each phase shifter data sheet is given in the quick reference guide.

Aeroflex / Weinschel offers a variety of Mechanical Phase Shifter designs that are ideally suited for delay line applications in optical and RF Networks. These designs provide linear adjustable phase shift in a very small in-line coaxial packages with long mechanical cycle life. Models can also be easily adapted to motorized control configurations.

NOTE: *EXPRESS* Shipment available via www.argosysales.com or 800-542-4457. Check with distributor for current products and stocking quantities.



Phase Shifters...dc to 20 GHz

Model Number	Frequency Range (GHz)	Connector Type	Incremental Phase Shift (Minimum)	Insertion Phase (Typical)	Average Power (Watts)	Maximum Insertion Loss (dB)	Maximum SWR	Page No.	
★ 917	dc to 20.0	2.92mm	225° @ 20 GHz, 100° at 9 GHz.	890° @ 10 GHz	200	0.8	1.50	198	
980-1	dc to 3.0	SMA	140° @ 3.0 GHz	560° @ 3.0 GHz	10	0.7-1.2*	1.30	197	
★ 980-2	dc to 3.0	SMA	340° @ 3.0 GHz	780° @ 3.0 GHz	10	1.0-1.7*	1.35		
★ 980-3	dc to 7.0	SMA	85° @ 3.0 GHz 170° @ 7.0 GHz	700° @ 3.0 GHz	10	0.5	1.30		
★ 980-4	dc to 12.4	SMA	290° @ 12.0 GHz	1200° @ 12.0 GHz	10	1.0	1.45		
980K-1	dc to 3.0	SMA	140° @ 3.0 GHz	560° @ 3.0 GHz	10	0.7-1.2*	1.30	197	
★ 980K-2	dc to 3.0	SMA	340° @ 3.0 GHz	780° @ 3.0 GHz	10	1.0-1.7*	1.35		
980K-3	dc to 7.0	SMA	85° @ 3.0 GHz 170° @ 7.0 GHz	700° @ 3.0 GHz	10	0.5	1.30		
980K-4	dc to 12.4	SMA	290° @ 12.0 GHz	1200° @ 12.0 GHz	10	1.0	1.45		
★ 981	dc to 18.0	3.5mm	60° /GHz	- - -	50	0.5-6.8*	1.80	200	

* VARIES WITH FREQUENCY.

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Note: Other models may also be available from Express delivery.