

# PHASE SHIFTER

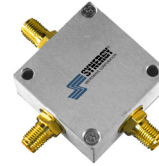
## CONNECTORIZED MODEL: PK-721S

**2:1 BANDWIDTH**

**F<sub>c</sub> = 15 MHz**

**FEATURES:**

- ▶ Over 180° of Phase Shift
- ▶ Low Tuning Voltage
- ▶ Excellent Performance
- ▶ Low VSWR



**SPECIFICATIONS**

Frequency	10 - 20 MHz	
Insertion Loss (dB)	Typ.	Max.
	1.3	1.8
Control Bandwidth	DC to 50 kHz (Min.)	
Control Voltage	0 - 12 Volts	
Phase Shift	180° (Min.)	
VSWR	Typ.	Max.
	1.5:1	1.7:1
Input Power	0 dBm (Max.)	
Impedance	50 Ohms (Nom.)	
Operating Temperature Range	-40 to +85 °C	

**Absolute Maximum Ratings**

Storage Temp. Range	-55 to +100 °C
RF Input Power	20 dBm
Control Voltage	+20 V

**Package # 110LF**

All Dimensions in inches (mm)

Tolerances: 2 PL. ±0.030 inch. (0.762mm)  
3 PL. ±0.015 inch. (0.381mm)

A	-	1.250 inch. (31.75 mm)
B	-	1.250 inch. (31.75 mm)
C	-	0.750 inch. ( 19.05 mm)
D	-	0.375 inch. ( 9.525 mm)
E	-	1.000 inch. ( 25.4 mm)
F	-	1.000 inch. ( 25.4 mm)
G	-	∅0.136 inch. ( 3.45 mm)
H	-	0.625 inch. ( 15.875 mm)
I	-	0.625 inch. ( 15.875 mm)

Select female connector suffix: S = SMA, B= BNC, N = Type N, T = TNC

PORT CONFIGURATION		
Input	Output	Control
1	3	2

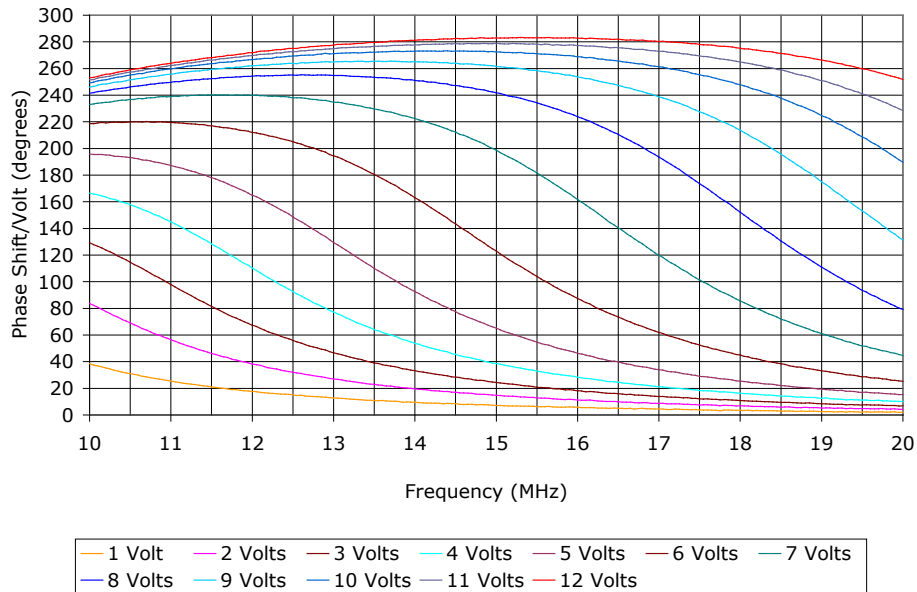
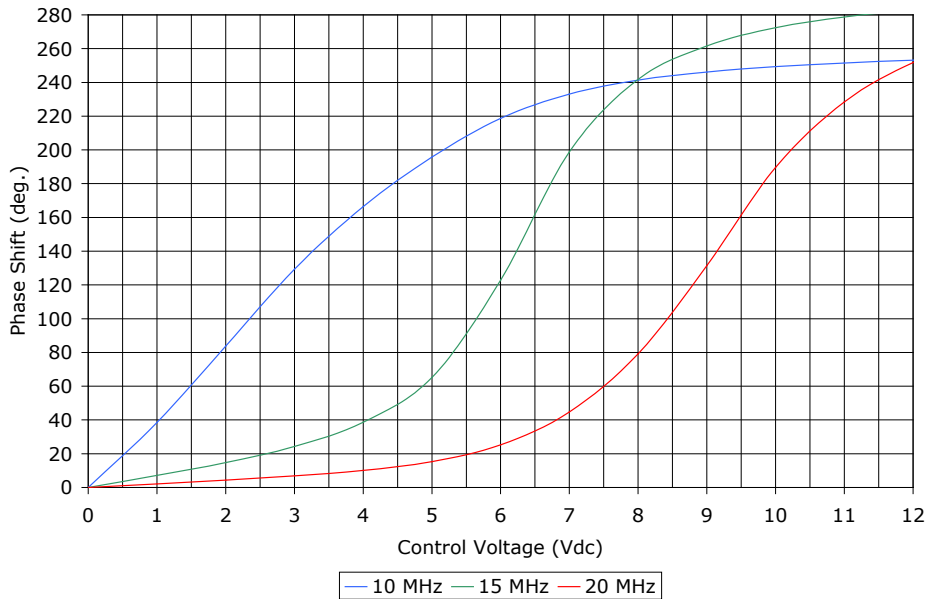
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PERFORMANCE PLOTS



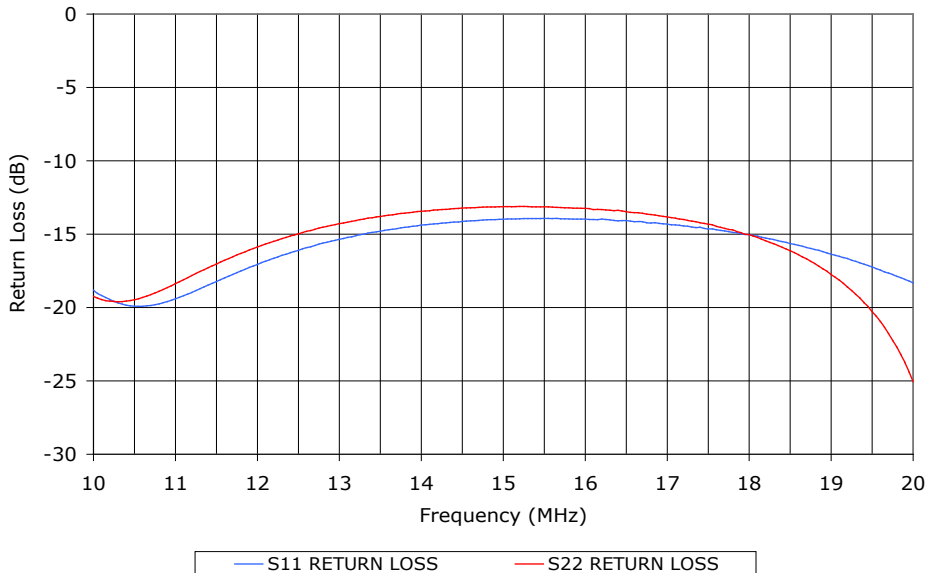
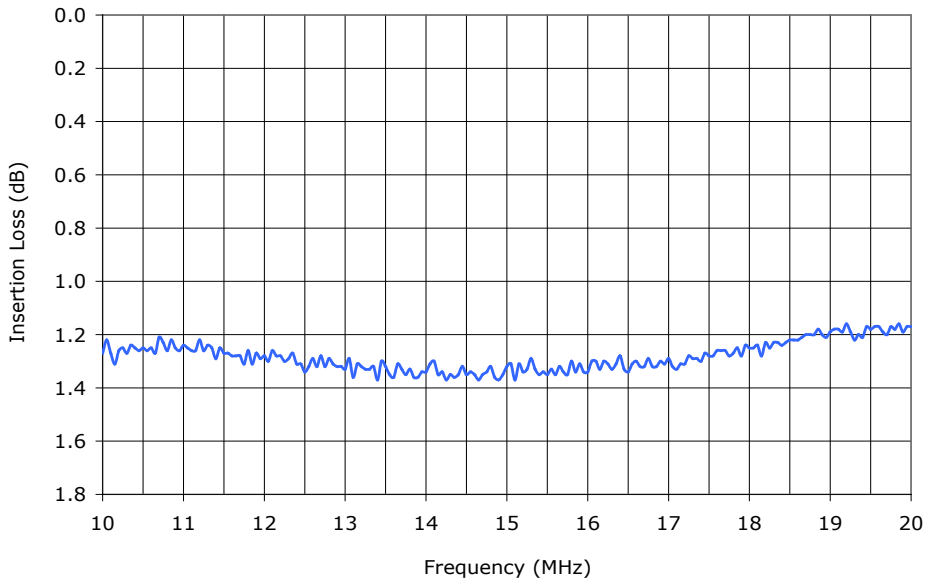
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### SPECIFICATION SHEET REVISION RECORD

REV	COMMENT	BY	DATE
--	Initial Release	TA	08/24/18