

PHASE SHIFTER

SURFACE MOUNT MODEL: PS-117

OPTIMIZED BANDWIDTH

111 - 123 MHz

FEATURES:

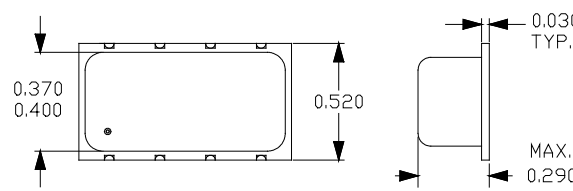
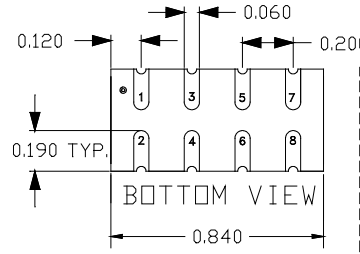
- ▶ Over 180° Phase Shift
- ▶ Low Control Voltage
- ▶ Low VSWR



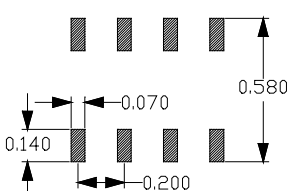
SPECIFICATIONS (Rev. A 03/25/11)

Frequency	111 - 123 MHz	
Insertion Loss (dB)	Typ.	Max.
	1.5	2.0
Control Bandwidth	DC to 50 kHz	
Control Voltage	0 - 12 V	
Phase Shift Range	0 - 180° (Min.)	
VSWR	1.65:1 (Typ.)	
Input Power	0 dBm (Max.)	
Impedance	50 Ohms (Nom.)	
Operating Temperature Range	-40 to +85 °C	

Package #	103S		
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LAYOUT FOR PRINTED CIRCUIT DESIGN



PORT CONFIGURATION			
Input	Output	CTRL	GND
1	2	7	All Others

Absolute Maximum Ratings

Storage Temp. Range	-55 to +100 °C
RF Input Power	+20 dBm
Control Voltage	+15 V

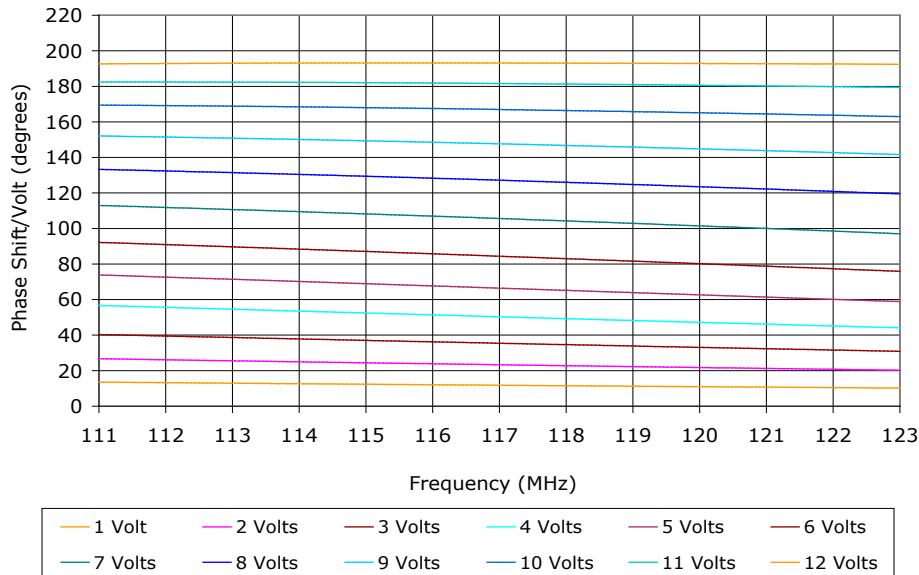
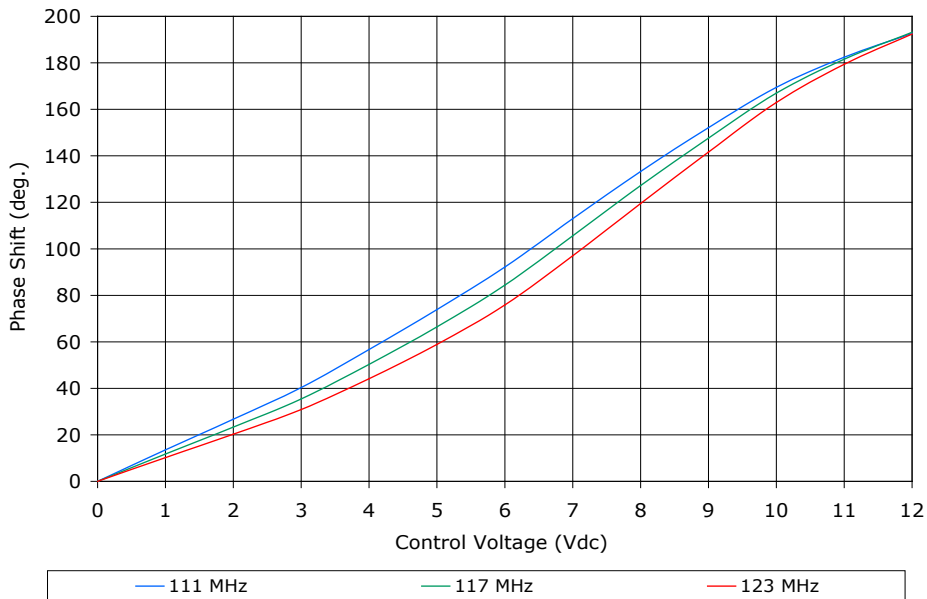
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Data @ 25°C



PERFORMANCE PLOTS

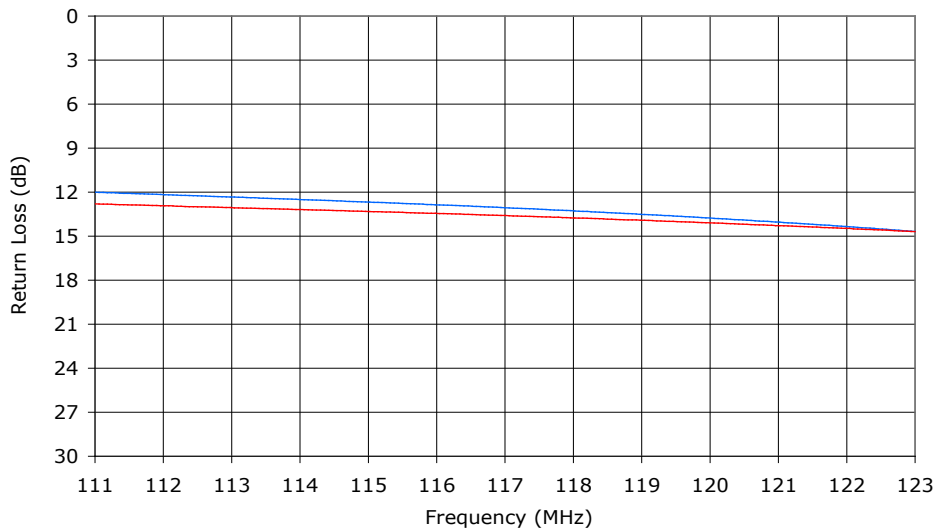
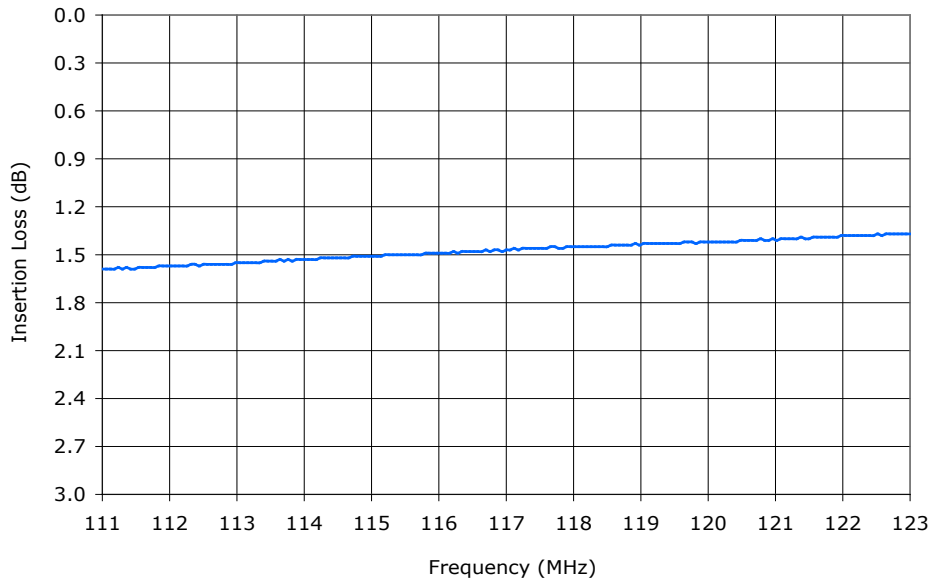
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— Input — Output

PERFORMANCE PLOTS