

PHASE SHIFTER

SURFACE MOUNT MODEL: SPS-405

OPTIMIZED BANDWIDTH

395 - 420 MHz

FEATURES:

- ▶ Over 360° Phase Shift
- ▶ Good Tuning Linearity
- ▶ Low Insertion Loss
- ▶ Low VSWR



SPECIFICATIONS (Rev. A 03/25/11)

Frequency	395 - 420 MHz	
Insertion Loss (dB)	Typ.	Max.
	3.6	4.5
Control Bandwidth	DC to 5 kHz	
Control Voltage	0 - 18 V (Max.)	
Phase Shift Range	0 - 360° (Min.)	
VSWR	1.70:1 (Typ.)	
Input Power	0 dBm (Max.)	
Impedance	50 Ohms (Nom.)	
Operating Temperature Range	-40 to +85 °C	

Package #	307
------------------	------------

TOP VIEW

SIDE VIEW

TOLERANCES : x ±0.1
XX ±0.03
XXX ±0.015

BOTTOM VIEW

RECOMMENDED PCB LAYOUT

REL-PRO® Patent No. 7,612,286
PACKAGE MOUNTING: SEE APPLICATION NOTES AN7200 & AN7301

PORT CONFIGURATION			
Input	Output	CTRL	GND
1	4	8	All Others

Absolute Maximum Ratings

Storage Temp. Range	-55 to +100 °C
RF Input Power	+20 dBm
Control Voltage	+25 V

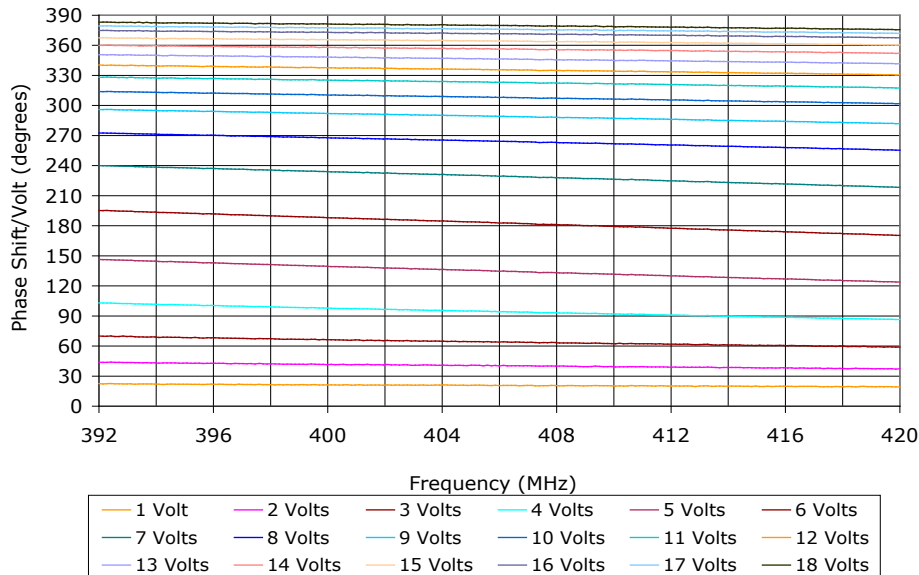
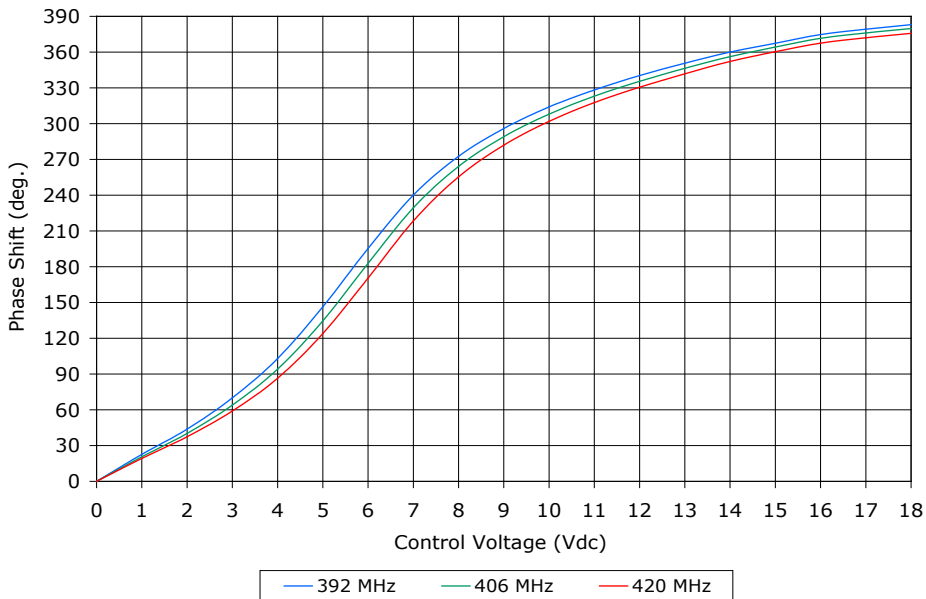
PHASE SHIFTER

SURFACE MOUNT MODEL: SPS-405

OPTIMIZED BANDWIDTH

395 - 420 MHz

Data @ 25°C



PERFORMANCE PLOTS

PHASE SHIFTER

SURFACE MOUNT MODEL: SPS-405

OPTIMIZED BANDWIDTH

395 - 420 MHz

Data @ 25°C

PERFORMANCE PLOTS

