

## FEATURES

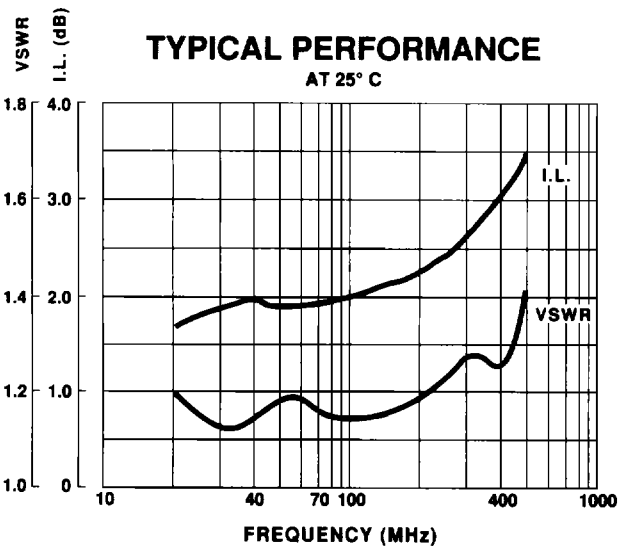
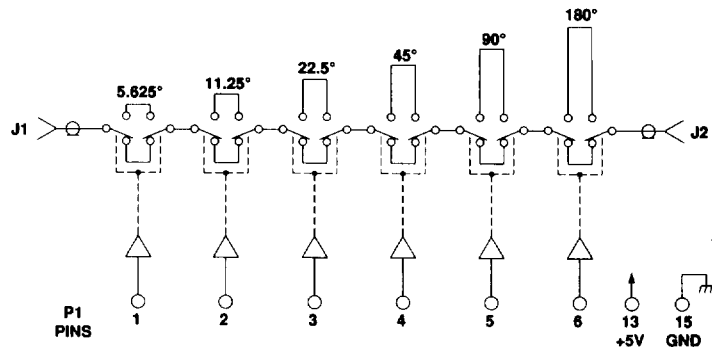
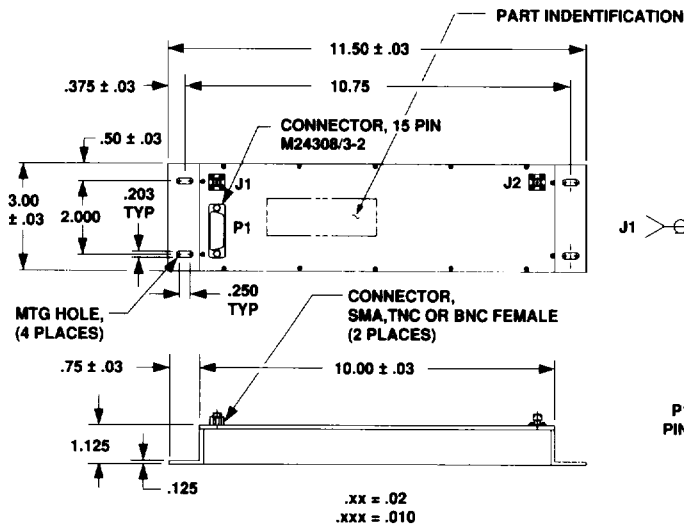
- 30 - 300 MHz
- User Selectable Center Frequency
- 5.625° LSB, 354.375° Range
- TTL Driver
- SMA, BNC, or TNC Connectors



**MODEL NO.  
100D0896**

## 6 Section Phase Shifter

**6 BIT**



### GUARANTEED PERFORMANCE

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
OPERATING FREQUENCY	30		300	MHz	
DC CURRENT		115	170	mA	AT +5 VDC SUPPLY
CONTROL TYPE		TTL			6 LINE LOGIC '0' = PHASE SHIFT
CONTROL CURRENT:	HIGH		1	μA	V <sub>IH</sub> = +2.7V
	LOW		-1	μA	V <sub>IL</sub> = +0.5V
INSERTION LOSS		2.6	4	dB	
	STABILITY	+0.1	±0.25	dB	VS. PHASE SHIFT
PHASE SHIFT:	LSB	5.625		DEG	5.625, 11.25, 22.5, 45, 90, 180
	RANGE		354.375	DEG	
	ACCURACY	0	±2	DEG	
VSWR		1.3/1	1.5/1		
IMPEDANCE		50		OHMS	
SWITCHING SPEED			4	μ SEC	50% TTL TO 90% / 10% RF
RF POWER:	OPERATE		+10	dBm	0.1 dB COMPRESSION
	NO DAMAGE		+20	dBm	
OPERATING TEMPERATURE	-40	+25	+71	°C	TA

BANDWIDTH 10%, PHASE SPECIFIED AT F<sub>0</sub> ONLY

#### PART NUMBER EXAMPLE

100D0896 - 60 MHz - SMA

