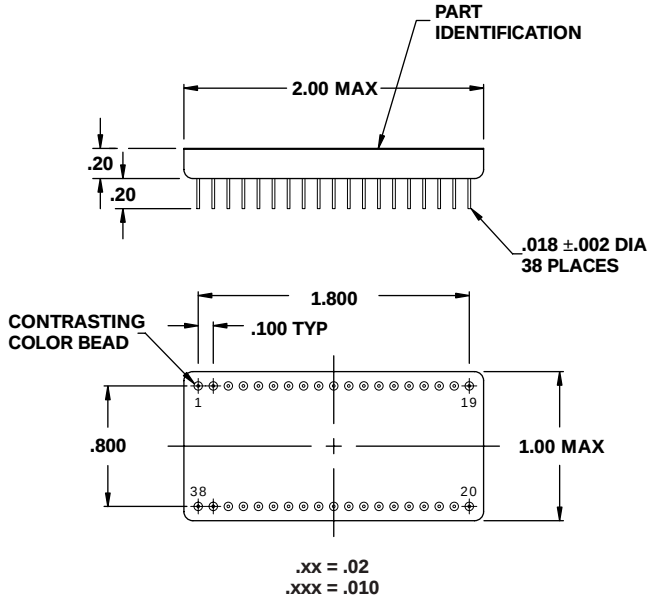
6 BIT

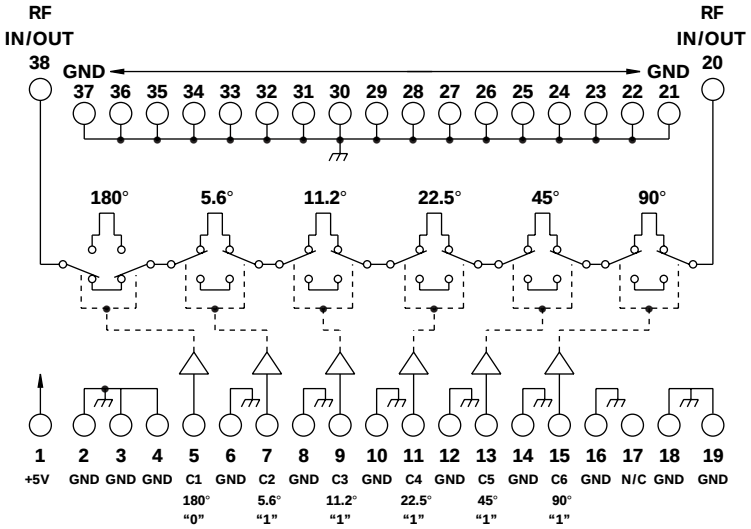
FEATURES

- **400 - 450 MHz**
- **± 2.8 Deg. Phase Accuracy**
- **2 mA, +5 VDC**
- **40 nSec Switching Speed**
- **TTL Control**
- **38 Pin DIP**

MODEL NO. DP0921

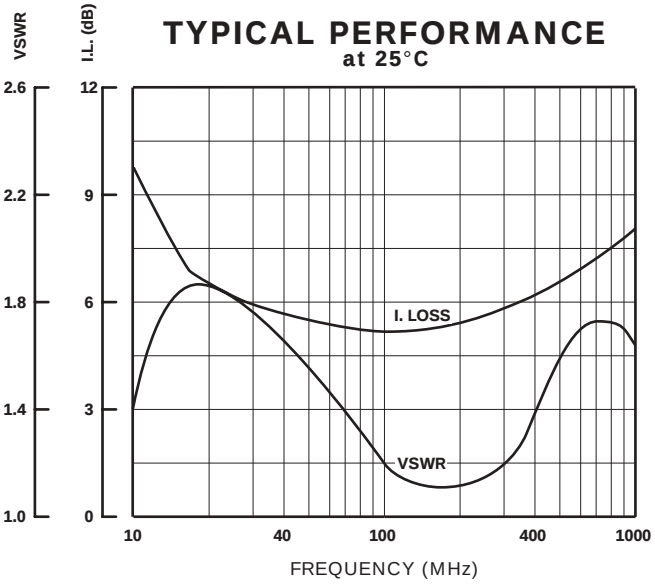
Phase Shifter 6 Section





N/C = NO INTERNAL CONNECTION

TYPICAL PERFORMANCE
at 25°C



GUARANTEED PERFORMANCE

Parameter		Min	Typ	Max	Units	Conditions
Operating Frequency		400		450	MHz	
DC Current			2	30	mA	At +5 VDC Supply
Control Type			TTL			6 Line Logic "0" = Thru Logic "1" = Phase Shift
Control Current	*High*		0	±2	µA	VIH = +2.7 V
	Low		0	±2	µA	VIL = +0.5 V
Insertion Loss			6.2	6.7	dB	
Phase	*LSB*		5.6		DEG	
	Range	0		354.3	DEG	5.6, 11.2, 22.5, 45, 90, 180
	Accuracy			±2.8	DEG	
VSWR			1.36/1	1.5/1		
Impedance			50		OHMS	
Switching Speed			44	150	nSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time			11	40	nSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients			140		mV	Peak Value
Intercept Points	*2nd*		+52.0		dBm	250 MHz / 150 MHz
	3rd		+27.5		dBm	125 MHz / 150 MHz
RF Power	*Operate*		+8.5	+6	dBm	0.1 dB Compression
	No Damage			+27	dBm	
Operating Temperature		-55	+25	+125	°C	TA