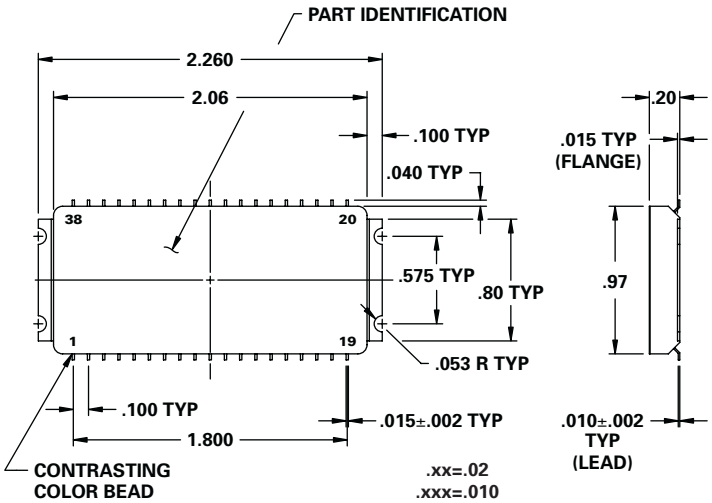
FEATURES

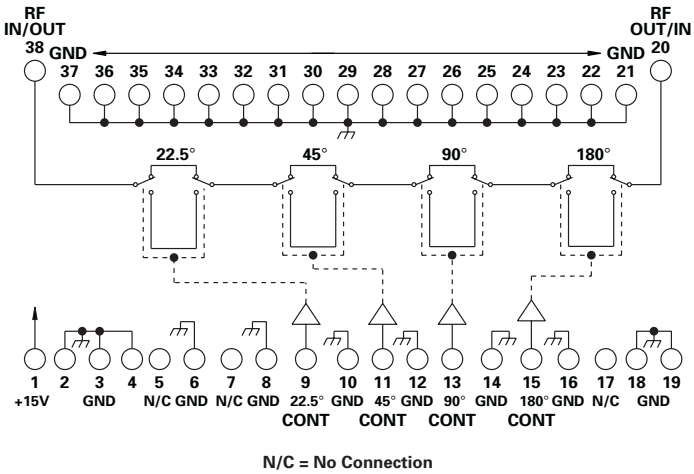
- 70 MHz
- 22.5° LSB
- +43 dBm 3rd Order Intercept Point

4 BIT

MODEL NO. DPS45085

Phase Shifter 4 Section





GUARANTEED PERFORMANCE

Parameter		Min	Typ	Max	Units	Conditions
Operating Frequency			70		MHz	
DC Current			17	50	mA	At +15 VDC Supply
Control Type			TTL			4 Line Logic "0" = Thru Logic "1" = Phase
Control Current	*High*			±10	µA	VIH = +2.7 V
	Low			±10	µA	VIL = +0.5 V
Insertion Loss			3.61	4.5	dB	
Phase	*Steps*			±2	DEG	22.5, 45, 90, 180 DEG
VSWR			1.1/1	1.5/1		
Impedance			50		OHMS	
Switching Speed			8	20	µSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time			7		nSec	10% / 90% or 90% / 10% RF
Switching (Video) Transients			180		mV	Peak Value
Intercept Points	*2nd*		+60		dBm	20 / 50
	3rd	+36	+43		dBm	48 / 59
RF Power	*Operate*		+18.0	+10	dBm	0.1 dB Compression
	No Damage		+18.8	+30	dBm	1.0 dB Compression
Operating Temperature	*Range*	+14	+25	+36	°C	TA
	Storage	-55		+100	°C	TA