

FEATURES

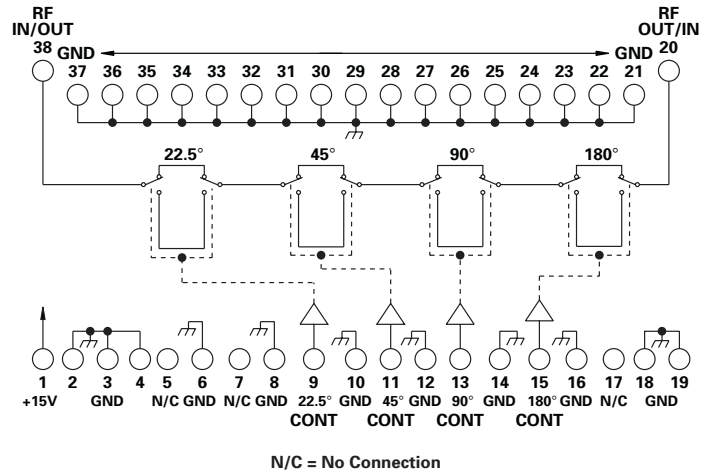
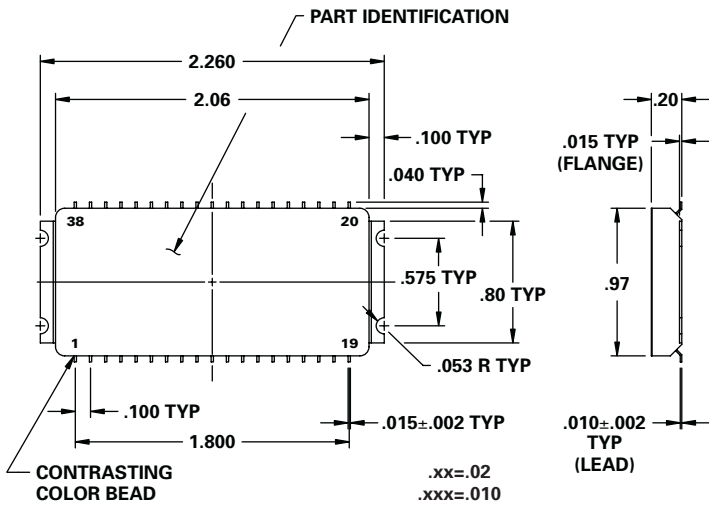
- 70 MHz
- 22.5° LSB
- +43 dBm 3rd Order Intercept Point



**MODEL NO.
DPS45085**

Phase Shifter 4 Section

4 BIT



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 Low		±10 ±10	µA	VIH = +2.7 V 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 3rd	+60 +36		dBm	20 / 50 48 / 59
RF Power	Operate No Damage	+18.0 +18.8	+10 +30	dBm	0.1 dB Compression 1.0 dB Compression
Operating Temperature	Range Storage	+14 -55	+25 +100	°C	TA TA