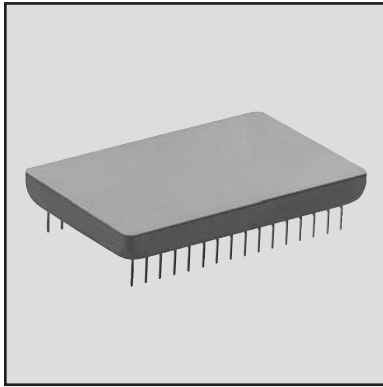




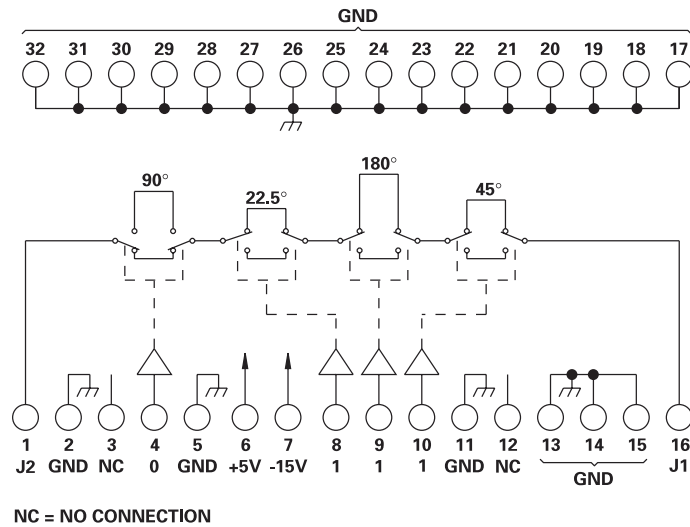
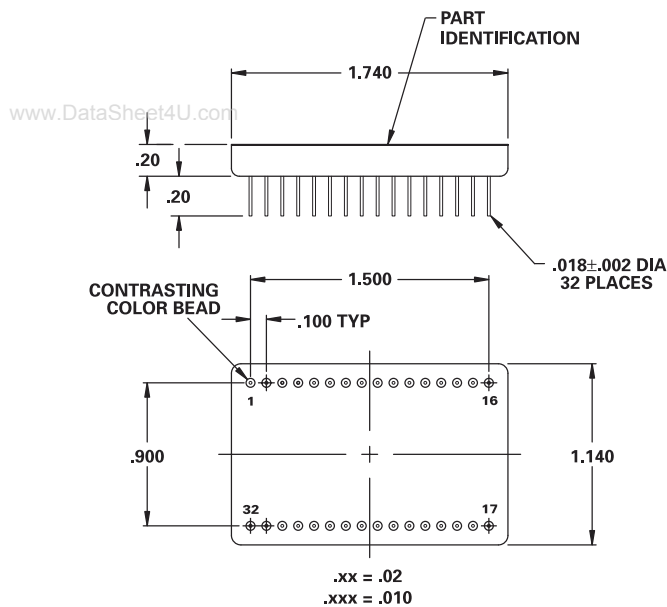
MODEL NUMBER CPS42127

Phase Shifter 4 Section

FEATURES

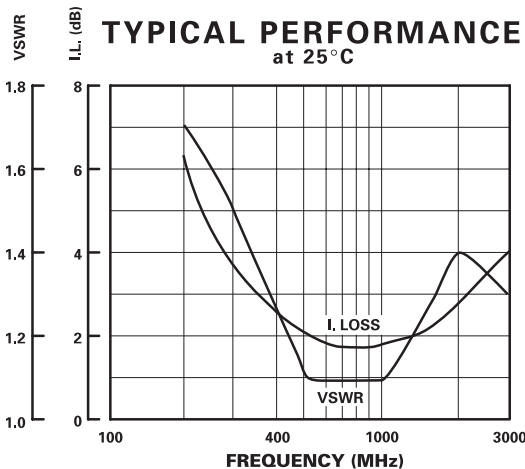
- 1215 - 1400 MHz
- 22.5° LSB, 337.5° Range
- TTL Driver

4 BIT



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	1215		1400	MHz	
DC Current		8	250	mA	At +5 VDC Supply
		75	200	mA	At -15 VDC Supply
Control Type		TTL			4 Lines Logic "0" = Refer Phase Logic "1" = Phase Shift
Control Current	High	0	±20	μA	V _{IH} = +5.0V
	Low	0	±20	μA	V _{IL} = +0.8 V
Insertion Loss	1.05	1.9	2.55	dB	At 20° C
	0.80		2.80	dB	At Temperature Extremes
Phase:	Steps	22.5		DEG	22.5, 45, 90, 180
	Range	337.5		DEG	At 1215 MHz
	Accuracy		±6	DEG	
	Linearity	1.5	3.0	DEG	
VSWR		1.25/1	1.5/1		1215 - 1400 MHz
Impedance		50		OHMS	
Time Delay	650	850	1.050	SEC	
Switching Speed		.660	3.5	μSEC	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		.043		μSEC	10% / 90% or 90% / 10% RF
Switching (Video) Transients		36		mV	Peak Value
Intercept Points	2nd	+64		dBm	575 / 400 MHz
	3rd	+42		dBm	287.5 / 400 MHz
RF Power	Operate	+28	+10	dBm	0.1 dB Compression
	No Damage		+30	dBm	
Operating Temperature	-54	+25	+80	°C	TA



DAICO Industries