

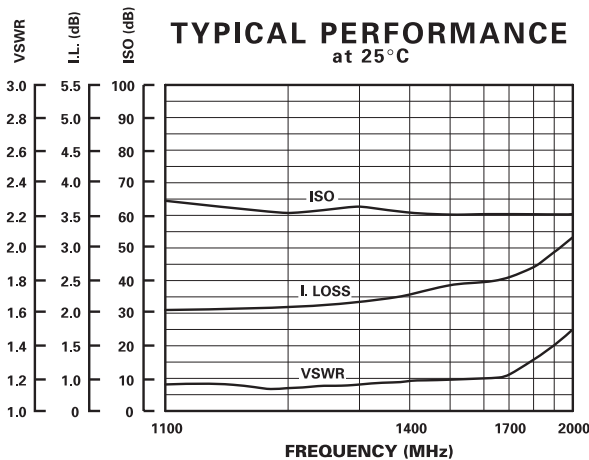
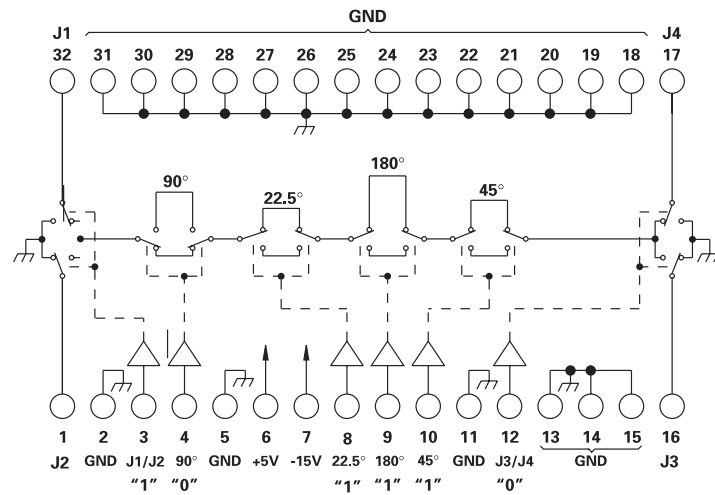
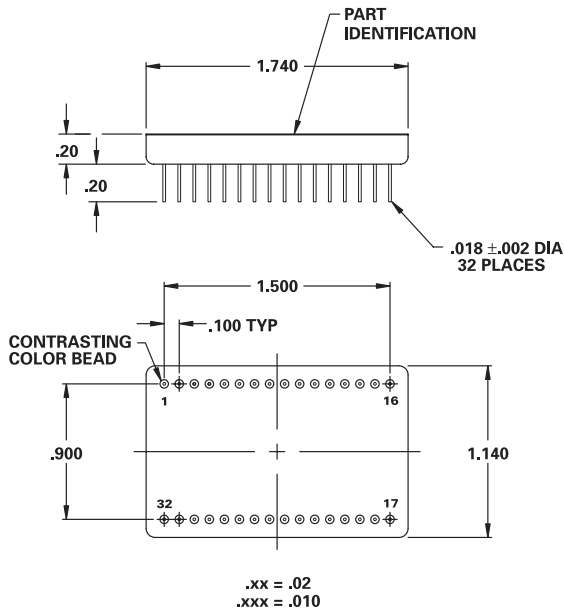
MODEL NUMBER CPS42126

Phase Shifter 4 Section

FEATURES

- 1215 - 1400 MHz
- 22.5° LSB, 337.5° Range
- TTL Driver
- +42 dBm 3rd Order IP

4 BIT



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	1215		1400	MHz	
DC Current		34	200	mA	At +5 VDC Supply
		108	200	mA	At -15 VDC Supply
Control Type		TTL			6 Line Logic "0" = Refer Phase Logic "1" = Phase Shift
Control Current	High	0	±20	µA	V _{IH} = +2.7V
	Low	0	±20	µA	V _{IL} = +0.8 V
Insertion Loss		2.4	3.0	dB	At 25° C
Phase:	LSB	22.5		DEG	At 1215 MHz
	Range	337.5		DEG	
	Accuracy		±6	DEG	
	Linearity		3.0	DEG	
Isolation		40	60	dB	J1-J4
VSWR		1.15/1	1.5/1	DEG	1215 - 1400 MHz
Impedance		50		OHMS	
Time Delay		.8	1.0	1.2	nSEC
Switching Speed		.6	3.5		µSEC
Transition (Rise/Fall) Time		.05			µSEC
Switching (Video) Transients		36			mV Peak Value
Intercept Points	2nd		+63		dBm
	3rd		+42		dBm
RF Power	Operate		+36		dBm
	No Damage		+34		dBm
			+30		dBm
Operating Temperature	-54	+25	+80		°C TA



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