

FEATURES

- 1030 - 1110 MHz
- ± 3.0 Deg. Phase Accuracy
- 0.2 mA @ +5 VDC
- Constant Insertion Loss
- 26 nSec Switching Speed
- TTL Control
- 24 Pin DIP

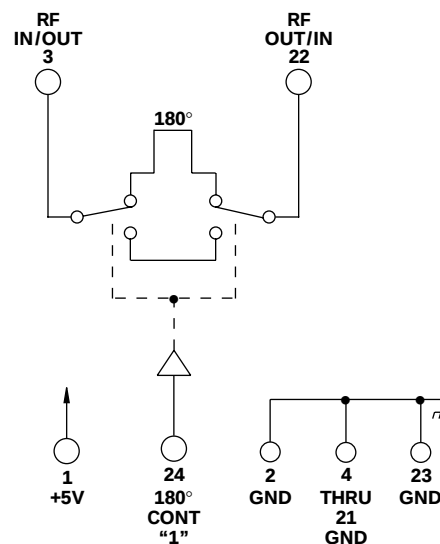
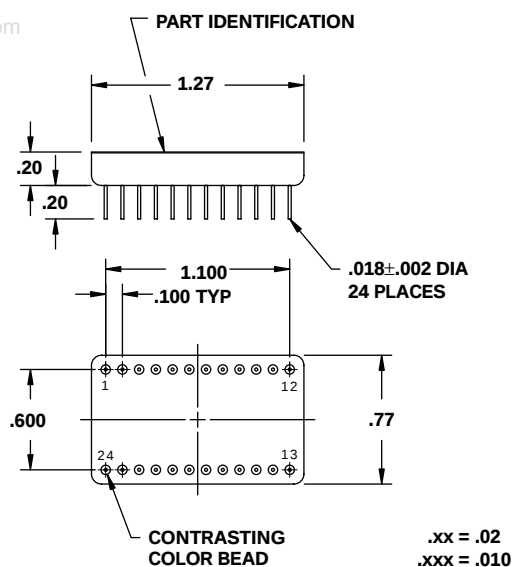


MODEL NO.
DP0881

GaAs 1 Section Phase Shifter

1 BIT

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GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	1030		1110	MHz	
DC Current		0.2	5	mA	At +5 VDC $\pm 10\%$ Supply
Control Type		TTL			1 Line Logic "0" = Thru Logic "1" = Phase Shift
Control Current	High Low	0 0	± 20 ± 20	μ A μ A	$V_{IH} = +2.7$ V $V_{IL} = +0.5$ V
Insertion Loss	Stability	1.4 -0.2	1.6 ± 0.5	dB dB	In T/F 200C2437
Phase Shift	LSB Range Accuracy	0 0 +0.5	180 180 ± 3	DEG DEG DEG	At Fc 180
VSWR		1.1/1	1.3/1		
Impedance		50		OHMS	
Switching Speed		26	100	nSec	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		18		nSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients		40		mV	Peak Value
Intercept Points	2nd 3rd	+88 +46		dBm dBm	214 MHz / 127 MHz 107 MHz / 127 MHz
RF Power	Operate No Damage	+18 +27	+15 +27	dBm dBm	0.1 dB Compression
Operating Temperature		-55	+25	$^{\circ}$ C	TA

