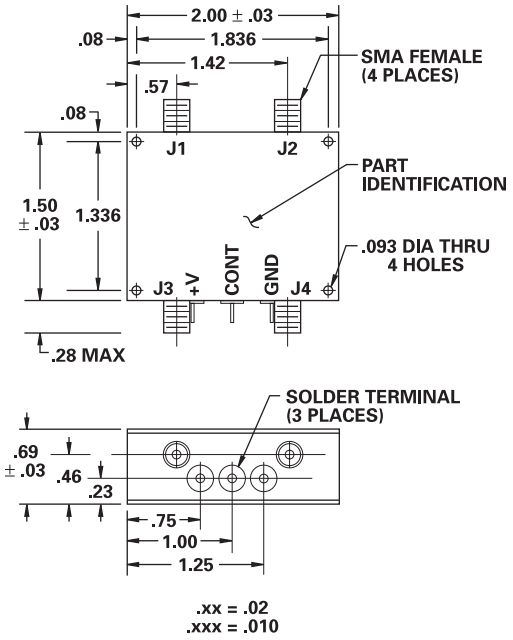
MODEL NUMBER
100C1297

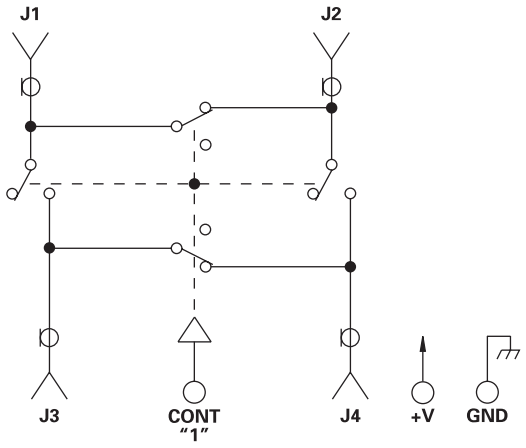
PIN Diode Transfer Switch

FEATURES

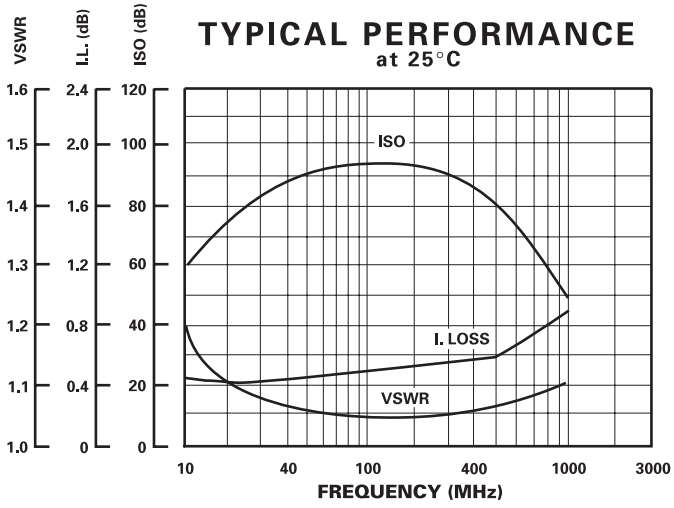
- 15 - 1000 MHz
- +36 dBm 3rd Order I.P.
- CMOS Driver
- Non-Reflective
- SMA Connectors

XFER





TYPICAL PERFORMANCE
at 25°C



GUARANTEED PERFORMANCE

Parameter		Min	Typ	Max	Units	Conditions
Operating Frequency		15		1000	MHz	
DC Current			20		mA	At +10 VDC Supply
						To +15 VDC Supply
Control Type			CMOS			1 Line
						Logic "0" = J1 to J3, J2 to J4
						Logic "1" = J1 to J2, J3 to J4
Control Current	*High*			±10	µA	VIH = +V
	Low			±10	µA	VIL = +0V
Insertion Loss			0.5	0.7	dB	15 - 500 MHz
			0.9	1.2	dB	500 - 1000 MHz
Isolation		50	70		dB	15 - 100 MHz
		40	60		dB	100 - 800 MHz
		35	50		dB	800 - 1000 MHz
VSWR			1.1/1	1.25/1		15 - 800 MHz
			1.15/1	1.5/1		800 - 1000 MHz
Impedance			50		OHMS	
Switching Speed				20	µSEC	50% Control to 90% / 10% RF
Intercept Points	*3rd*		+36		dBm	35 MHz / 50 MHz
RF Power	*Operate*			+15	dBm	0.1 dB Comp. Above 70 MHz
Operating Temperature		-55	+25	+85	°C	TA