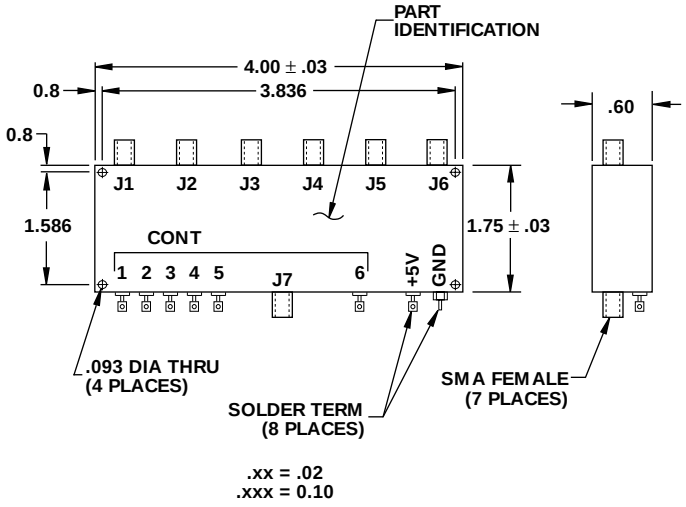
FEATURES

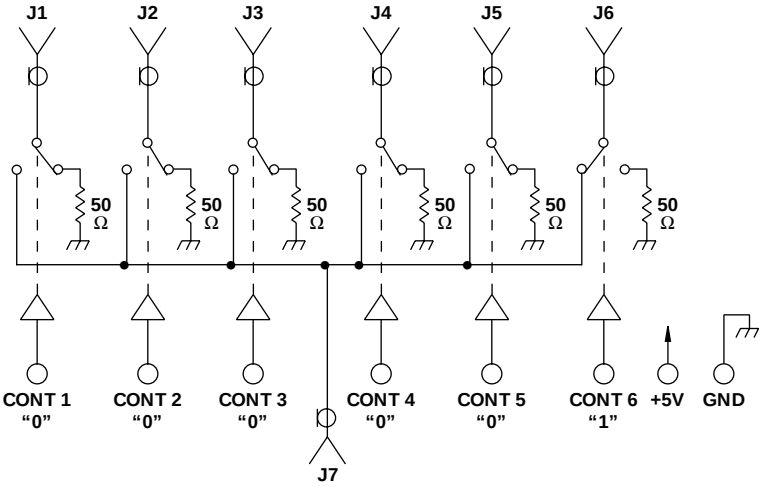
- 20 - 600 MHz
- High Isolation
- +40 dBm 3rd Order Intercept
- Non-Reflective
- TTL Driver
- SMA Connectors

SP6T

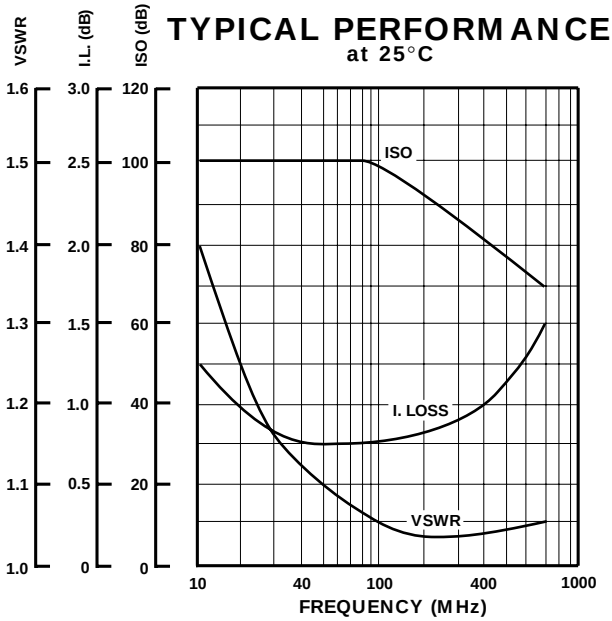
MODEL NO. 100C1286

High Isolation PIN Diode SP6T





TYPICAL PERFORMANCE at 25°C



GUARANTEED PERFORMANCE

Parameter		Min	Typ	Max	Units	Conditions
Operating Frequency		20		600	MHz	
DC Current			250	300	mA	At +5 VDC Supply
Control Type			TTL			Load Factor 1 Logic "0" = Isolation Logic "1" = Thru
Control Current	*High*			100	µA	VIH = +2.7 V
	Low			-400	µA	VIL = +0.5 V
Insertion Loss			0.8	1.0	dB	20 - 200 MHz
			1.0	1.5	dB	200 - 350 MHz
			1.3	2.0	dB	350 - 600 MHz
Isolation		85	90		dB	20 - 200 MHz
		70	73		dB	200 - 600 MHz
VSWR			1.25/1	1.35/1		20 - 600 MHz
Impedance			50		OHMS	
Switching Speed				3.0	µSEC	50% TTL to 90% / 10% RF
Intercept Points	*2nd*		+65		dBm	20 MHz
	3rd		+40		dBm	87 MHz
RF Power	*Operate*			+10	dBm	0.1 dB Comp. Below 40 MHz
				+13	dBm	0.1 dB Comp. Above 40 MHz
	No Damage			+30	dBm	
Operating Temperature		-55	+25	+85	°C	TA