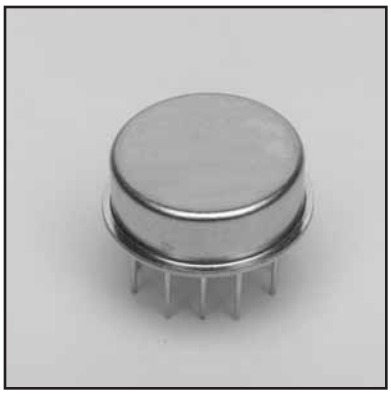


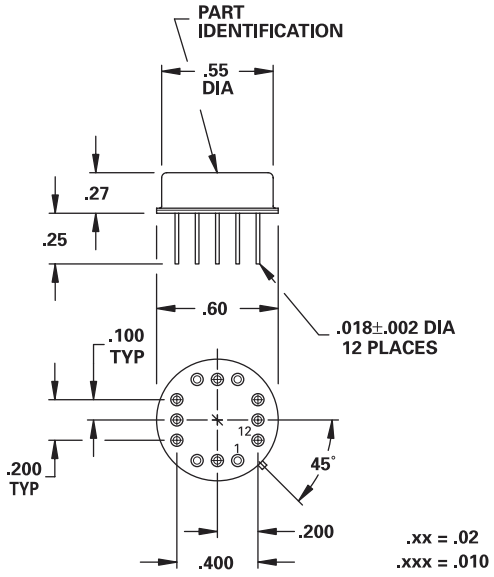
MODEL NUMBER
DS0519

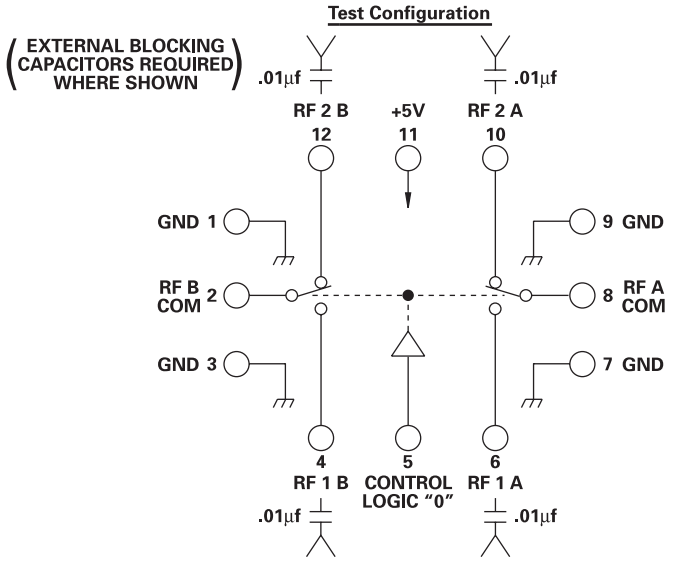
PIN Diode DP2T

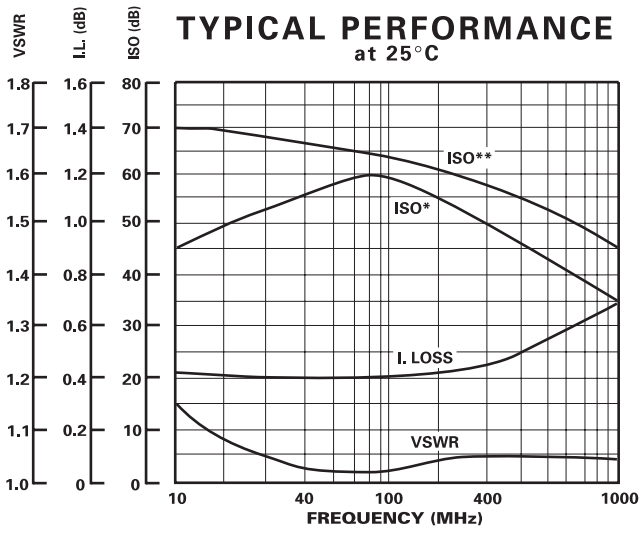
FEATURES

- 20 - 700 MHz
- 0.5 dB Insertion Loss
- TTL Driver
- Small TO-8 Package
- Low Cost
- Cascadable Building Block For Attenuators And Phase Shifters

DP2T







* = One Section
** = Between Sections

GUARANTEED PERFORMANCE

Parameter		Min	Typ	Max	Units	Conditions
Operating Frequency		20		700	MHz	
DC Current			6.8	10	mA	At +5 VDC Supply
Control Type			TTL			1 Line Logic "0" = RF COM to RF2 Logic "1" = RF COM to RF1
Control Current	*High*			20	µA	VIH = +2.7 V
	Low			-400	µA	VIL = +0.5 V
Insertion Loss			0.6	0.75	dB	20 - 700 MHz
Isolation		35	42		dB	
VSWR	*Thru*		1.2/1	1.35/1		20 - 200 MHz
			1.1/1	1.20/1		200 - 700 MHz
Impedance			50		OHMS	
Switching Speed			2.4	3.0	µSEC	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time			300		nSEC	90% / 10% or 10% / 90% RF
Switching (Video) Transients			230	500	mV	Peak Value
Intercept Points	*2nd*		+70		dBm	350 MHz / 118 MHz
	3rd		+47		dBm	350 MHz / 232 MHz
RF Power	*Operate*		+12	+10	dBm	0.1 dB Comp 20 - 200 MHz
			+23	+20	dBm	0.1 dB Comp 200 - 700 MHz
	No Damage			+30	dBm	
Operating Temperature		-55	+25	+125	°C	TA