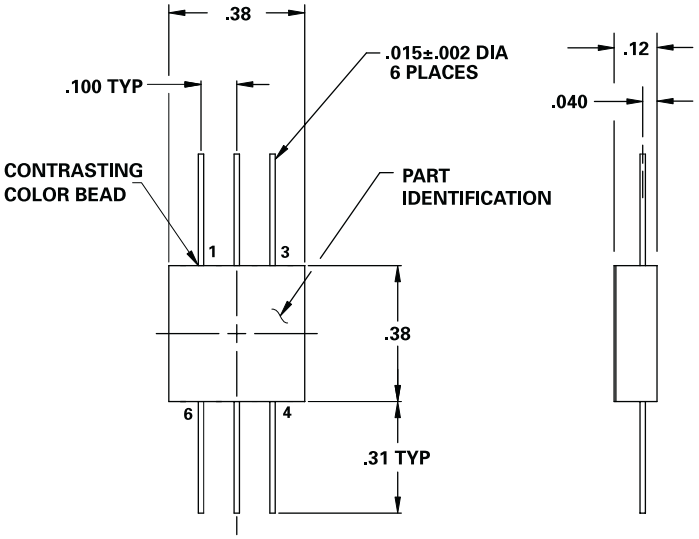
MODEL NUMBER
DSW25112

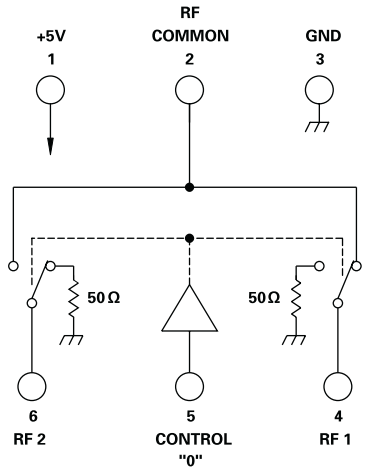
SP2T Switch

FEATURES

- 10-1000 MHz
- 40 nSec Switching Speed
- 1 mA max DC Current
- 0.38" x 0.38" Square Package

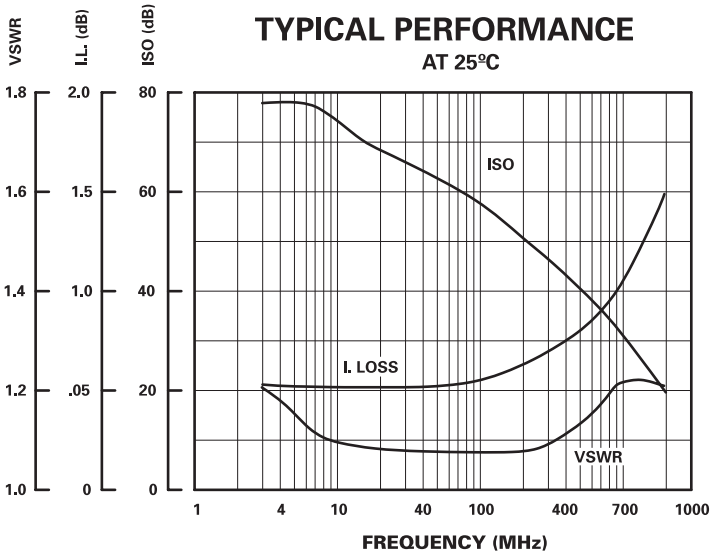
SP2T





TYPICAL PERFORMANCE

AT 25ºC



GUARANTEED PERFORMANCE

Parameter		Min	Typ	Max	Units	Conditions
Operating Frequency		10		1000	MHz	
DC Current			.2	1	mA	At +5 VDC Supply
Control Type			TTL			"0" = RF Com to RF 1
Control Current	*high*		0	±20	µA	VIH = +2.7V
	low		0	±20	µA	VIL = +0.5V
Insertion Loss			.7	1.0	dB	10 - 150 MHz
			1.1	1.5	dB	150 - 1000 MHz
Isolation		50	55		dB	10 - 150 MHz
		40	47		dB	150 - 300 MHz
		25	32		dB	300 - 1000 MHz
VSWR	*Thru*		1.2/1	1.4/1		
	Termination		1.4/1	2/1		
Impedance			50		OHMS	
Switching Speed			40	70	nSec	50% TTL - 90% / 10% RF
Transition Time			15		nSec	90% / 10% or 10% / 90% RF
Switching (Video) Transients			48		mV	Peak Value
Intercept Points	*2nd*		+88		dBm	70/50 MHz
	3rd		+47		dBm	35/50 MHz
RF Power	*Operate*		+16	+10	dBm	0.1 dB Comp. 10 - 100 MHz
			+24	+20	dBm	100 - 1000 MHz
	Maximum			+27	dBm	No Damage
Operating Temperature		-45		+55	°C	TA