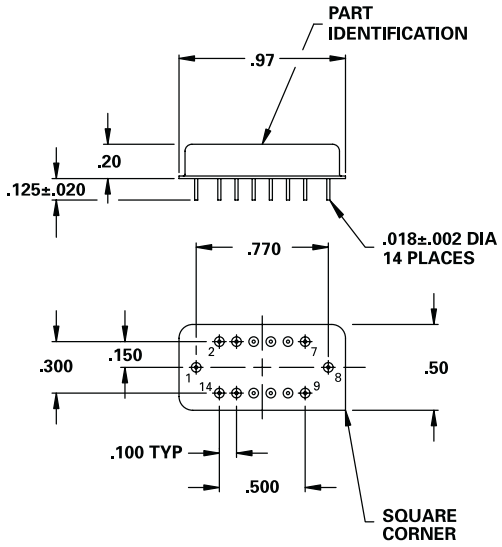
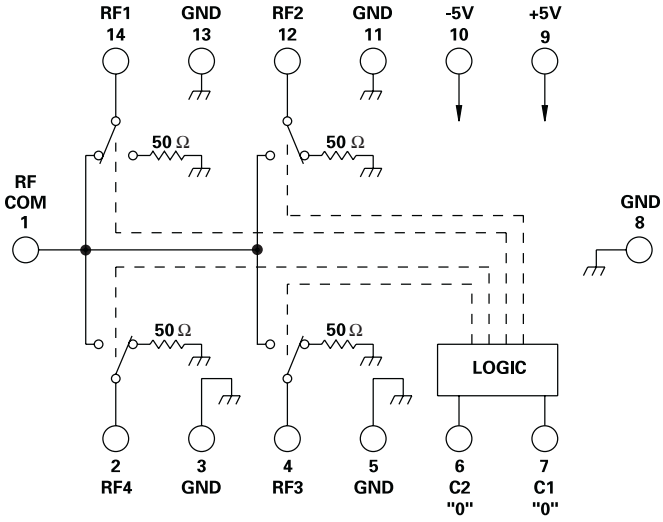
MODEL NUMBER
DSW42044

GaAs SP4T

FEATURES

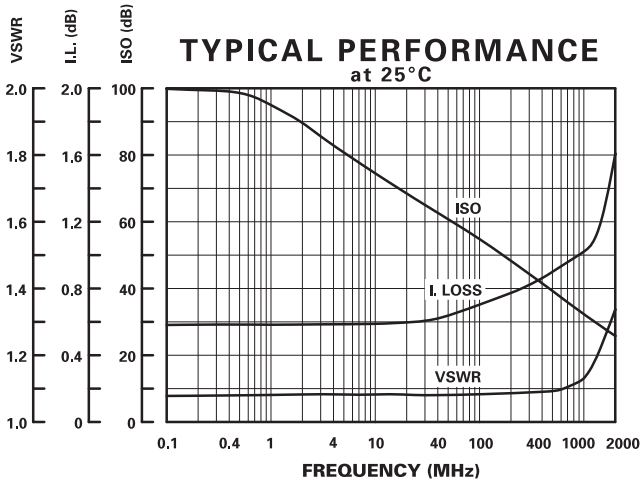
- DC - 1000 MHz
- Low Cost
- TTL Driver
- 14 pin DIP





TYPICAL PERFORMANCE

at 25°C



LOGIC TABLE		
C2	C1	THRU PATH
0	0	COM To RF1
0	1	COM To RF2
1	0	COM To RF3
1	1	COM To RF4

GUARANTEED PERFORMANCE

Parameter		Min	Typ	Max	Units	Conditions
Operating Frequency		DC		1000	MHz	
DC Current			0.20	1.0	mA	At +5 VDC Supply
			0.20	1.0	mA	At -5 VDC Supply
Control Type			TTL			2 Line
						See Logic Table
Control Current	*High*		0	±1	µA	VIH = +2.7V
	Low		0	±1	µA	VIL = +0.5V
Insertion Loss			0.7	1.0	dB	DC - 10 MHz
			1.0	1.5	dB	200 - 1000 MHz
Isolation		70	76		dB	DC - 10 MHz
		50	56		dB	10 - 100 MHz
		25	32		dB	100 - 1000 MHz
VSWR	*Thru*		1.2/1	1.3/1		
	Termination		1.2/1	1.5/1		
Impedance			50		OHMS	
Switching Speed			48	70	nSEC	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time			25		nSEC	90% / 10% or 10% / 90% RF
Switching (Video) Transients			25		mV	Peak Value
Intercept Points	*2nd*		+53		dBm	DC - 200 MHz
	3rd		+33		dBm	DC - 200 MHz
	2nd		+75		dBm	200 - 1000 MHz
	3rd		+45		dBm	200 - 1000 MHz
RF Power	*Operate*		+13	+10	dBm	DC - 200 MHz
			+16	+13	dBm	200 - 1000 MHz
	No Damage			+25	dBm	
Operating Temperature		-55	+25	+125	°C	TA