

FEATURES

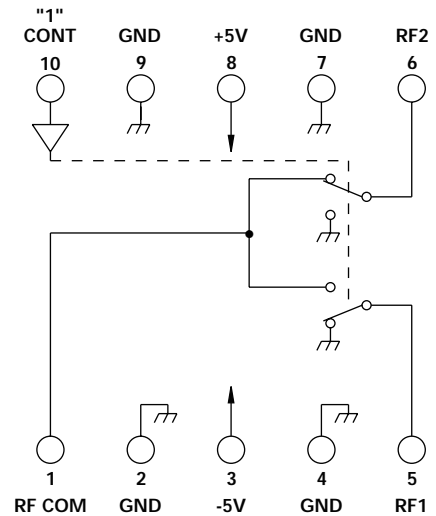
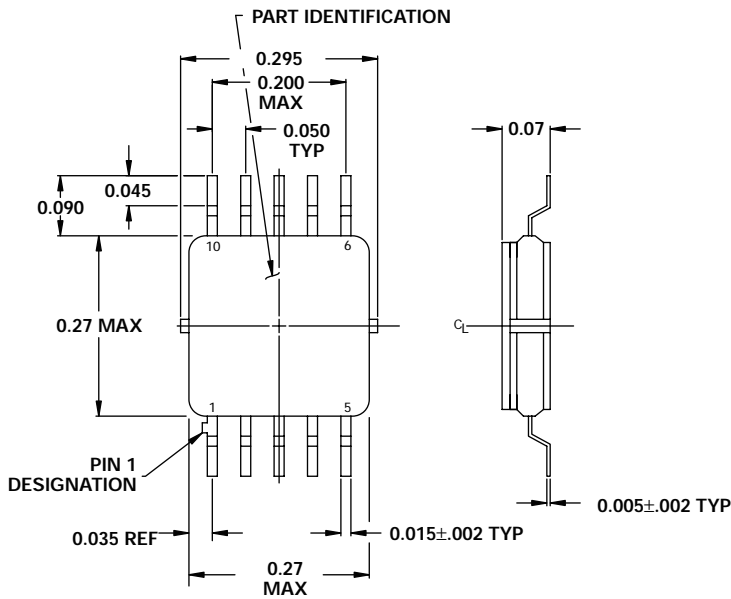
- DC - 2000 MHz
- 2 nSec Transition Time
- 5 nSec Switching Speed
- 10 mV Transients
- TTL Control
- Low Cost
- Ultra Small 0.270 SQ Surface Mount Package



MODEL NO.
DSW25038

GaAs SP2T

SP2T



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	DC		2000	MHz	
DC Current		13	25	mA	At +5 VDC Supply
		10	20	mA	At -5 VDC Supply
Control Type		TTL			1 Line Logic "0" = RF Com to RF 1 Logic "1" = RF Com to RF 2
Control Current	High	10	±50	µA	VIH = +2.7V
	Low	10	±50	µA	VIL = +0.5V
Insertion Loss		1.5	2.0	dB	DC - 1 GHz
		1.8	2.5	dB	1 - 2 GHz
Isolation	60	68		dB	DC - 100 MHz
	40	50		dB	100 MHz - 500 MHz
	35	42		dB	500 MHz - 1 GHz
	30	37		dB	1 GHz - 2 GHz
VSWR		1.3/1	1.5/1		DC - 1 GHz
		1.5/1	1.7/1		1 GHz - 2 GHz
Impedance		50		OHMS	
Switching Speed		13	25	nSEC	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		3	5	nSEC	10% / 90% or 90% / 10% RF
Switching (Video) Transients		11		mV	Peak Value
Intercept Points	2nd	+50	+55	dBm	150 MHz / 450 MHz
	3rd	+23	+26	dBm	50 MHz / 70 MHz
RF Power	Operate	+4	0	dBm	0.1 dB Comp DC - 10 MHz
		+8	+5	dBm	10 MHz - 100 MHz
		+11	+7	dBm	100 MHz - 2 GHz
			+30	dBm	No Damage
Operating Temperature	-55	+25	+85	°C	TA

