

## FEATURES

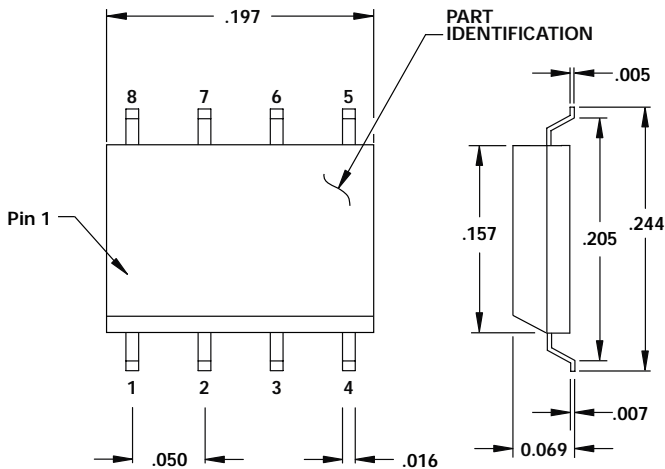
- DC - 3 GHz Broad Bandwidth
- Internal Switch Driver
- Insertion Loss 1.07\* dB
- Isolation 42\* dB
- Input/Output VSWR < 1.2:1\*
- Available as die, part #DSW24051D



MODEL NO.  
DSW25251P

Reflective Switch with Driver

SP2T



Pin 1	Vdd = +5V
Pin 2	TTL Control
Pin 3	RF Common
Pin 4	Vss = -5V
Pin 5	RF in/out 1
Pin 6	Ground
Pin 7	Ground
Pin 8	RF in/out 2

Logic Condition "1" = Thru (RF COM) to RF2 (Pin 8)

## GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	DC		3000	MHz	
Insertion Loss		1.07		dB	@ 1000 MHz
		1.19		dB	@ 2000 MHz
		1.46		dB	@ 3000 MHz
Isolation		42		dB	@ 1000 MHz
		27		dB	@ 2000 MHz
		20		dB	@ 3000 MHz
VSWR Input		1.2/1			@ 1000 MHz
		1.5/1			@ 2000 MHz
		1.5/1			@ 3000 MHz
VSWR Output		1.2/1			@ 1000 MHz
		1.5/1			@ 2000 MHz
		1.5/1			@ 3000 MHz
Impedance		50		OHMS	
Switching Speed		5		nSEC	
Control Current		20		mA	@ +5V
		15		mA	@ -5V
RF Power Operate		13		dBm	@ 3 MHz 1 dB Comp.
		17		dBm	@ 100 MHz 1 dB Comp.
		25		dBm	@ 1000 MHz 1 dB Comp.
RF Power No Damage					
IP3		28		dBm	@ 3 MHz 1 dB Comp.
		39		dBm	@ 100 MHz 1 dB Comp.
		41		dBm	@ 1000 MHz 1 dB Comp.
Video Leakage		12		mVp-p	

\*Note: 1 GHz Typical