

FEATURES

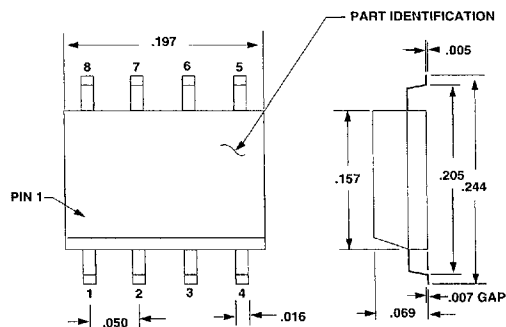
- DC- 3GHz Broad Bandwidth
- Internal Switch Driver
- Insertion Loss 1.17* dB
- Isolation 34* dB
- Input/Output VSWR 1.2:1*
- Available as die, part # DSW24053D,



**MODEL NO.
DSW25253P**

Absorbtive 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" = RF COM TO RF2

GUARANTEED PERFORMANCE

PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
FREQUENCY OF OPERATION	DC		3000	MHz	
INSERTION LOSS		1.17 1.36 1.79		dB	@ 1000 MHz @ 2000 MHz @ 3000 MHz
ISOLATION		34 27 21		dB	@ 1000 MHz @ 2000 MHz @ 3000 MHz
VSWR INPUT		1.2/1 1.5/1 1.5/1			@ 1000 MHz @ 2000 MHz @ 3000 MHz
VSWR OUTPUT		1.2/1 1.5/1 1.5/1			@ 1000 MHz @ 2000 MHz @ 3000 MHz
IMPEDANCE		50		OHMS	
SWITCHING SPEED		5		nSEC	
CONTROL CURRENT		15 14		mA	@ +5V @ -5V
RF POWER OPERATE		23 25 27		dBm	@ 3 MHz 1 dB Compression @ 100 MHz 1 dB Compression @ 1000 MHz 1 dB Compression
RF POWER NO DAMAGE		30			
IP3		28 39 41		dBm	@ 3 MHz 1 dB Compression @ 100 MHz 1 dB Compression @ 1000 MHz 1 dB Compression
VIDEO LEAKAGE		12		mVp-p	

*NOTE: 1 GHz Typical