

FEATURES

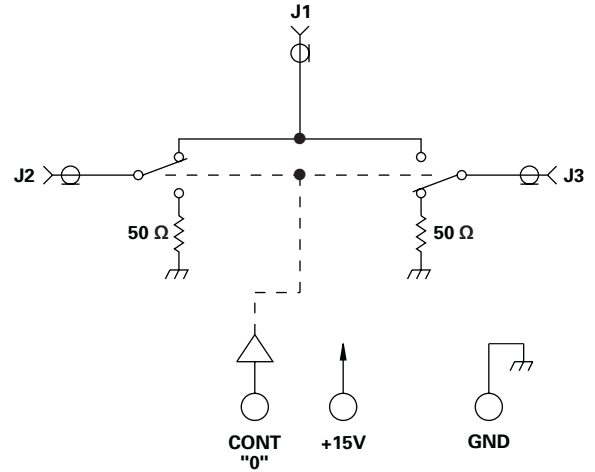
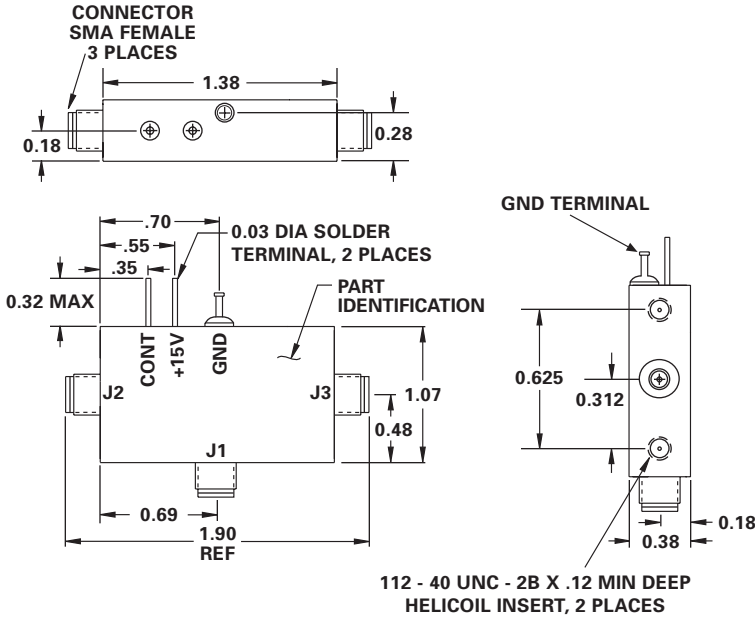
- 500 - 2500 MHz
- High Isolation
- 60 dB Isolation
- Low Insertion Loss, 1.20 dB



**MODEL NO.
DSW26176**

Diode SP2T

SP2T



GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	500		2500	MHz	
DC Current		39	50	mA	At +5 VDC Supply
Control Type		TTL			1 Line, J1 - J2 = Logic "0"
Control Current		±1.0	20	µA	V _{IH} = +2.7V
		±1.0	-400	µA	V _{IL} = +0.5V
Isolation	60	75		dB	
Insertion Loss		1.20	1.5	dB	
Amplitude Balance		±0.01	±0.3	dB	Reference Between the Calibration Port and any Input Port of the Switch
Phase Tracking		±0.25	2	DEG	Port to Port (Max Differential)
VSWR		1.20/1	1.4/1		
		1.15/1	1.5/1		
Impedance		50		OHMS	
Switching Speed		8.4	10	µSEC	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		5.8	10	µSEC	10% / 90% or 90% / 10% RF
Switching (Video) Transients		20	200	mV	Peak to Peak Value
Intercept Points		2nd +69	+71	dBm	900.3 MHz / 400.3 MHz
		3rd +37	+39	dBm	450.15 MHz / 400.3 MHz
RF Power		Operate +23	+20	dBm	0.1 dB Compression
		No Damage	+30	dBm	
Operating Temperature	-55	+25	+125	°C	TA

TYPICAL PERFORMANCE

at 25°C

