

SP2T

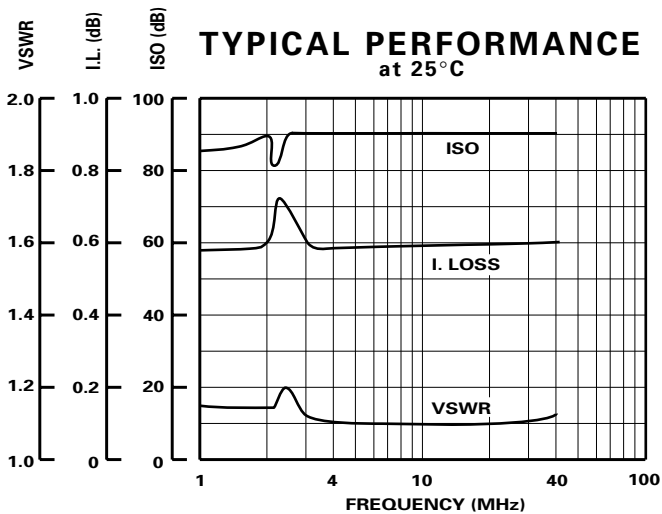
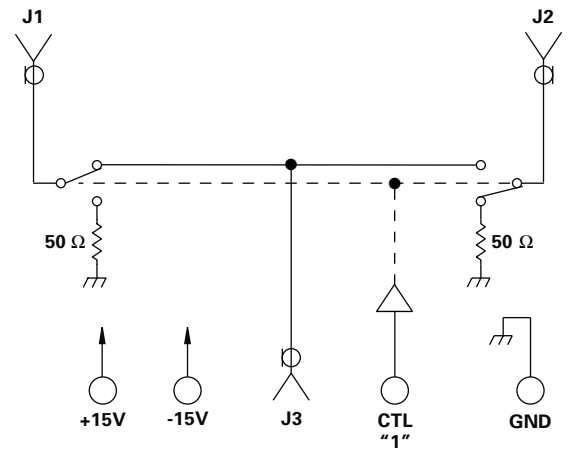
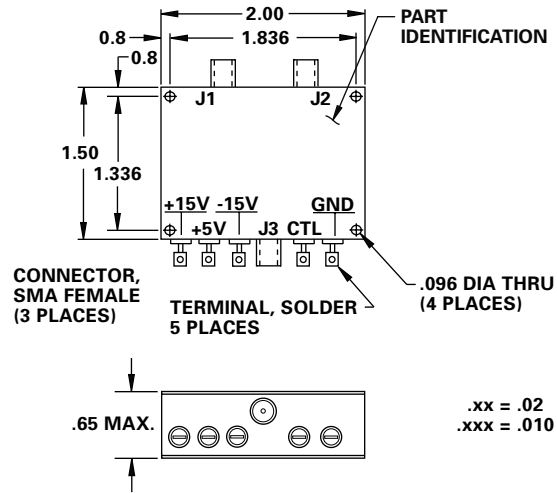
## FEATURES

- 1 - 30 MHz
- High Intercept Points
- High Isolation
- +22 dBm 1 dB Compression Point @ 1 MHz
- TTL Driver
- Non-Reflective
- SMA Connectors



# MODEL NO. DSW29029

## PIN Diode SP2T



## GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions	
Operating Frequency	1		30	MHz		
DC Current		35 25	40 40	mA	At +15 VDC Supply At -15 VDC Supply	
Control Type		TTL			1 Line Logic "1" = J3 - J1	
Control Current		0 -400	+40 -1600	μA	V <sub>IH</sub> = +2.0V V <sub>IL</sub> = +0.8V	
Insertion Loss		0.6	1.0	dB		
Isolation	60	80		dB		
VSWR		1.2/1 1.1/1	1.5/1 1.5/1		Thru Termination	
Impedance		50		OHMS		
Switching Speed		19	40	μSEC	50% TTL - 90% / 10% RF	
Transition (Rise/Fall) Time		12	15	μSEC	10% / 90% to 90% / 10% RF	
Switching (Video) Transients		2.3	4	V	Peak Value	
Intercept Points		2nd 3rd	+70 +72 +36 +39 +40	+75 +76 +40 +47 +49	dBm	1 - 3 MHz 3 - 30 MHz 1 MHz 2 MHz 3 - 30 MHz
RF Power		Operate No Damage	+22 +30	+10 +30	dBm	0.1 dB Compression
Operating Temperature	-55	+25	+85	°C	TA	