

SP2T

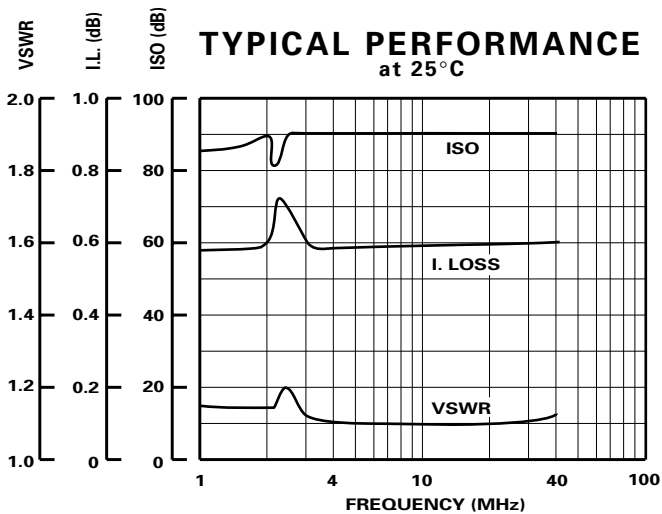
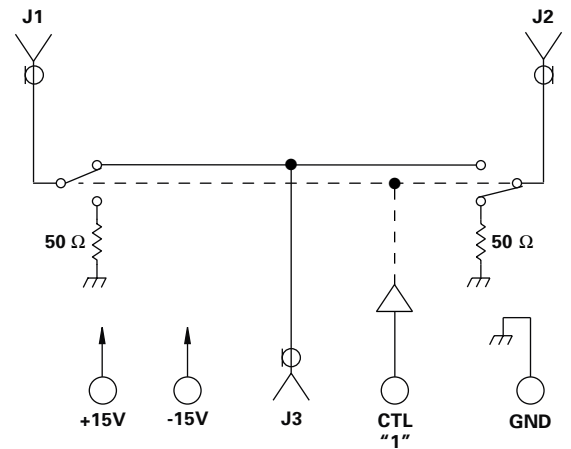
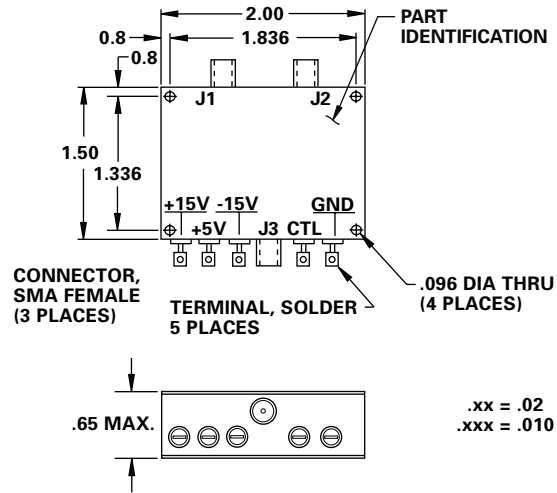
## FEATURES

- 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	40	mA	At +15 VDC Supply	
		25	40	mA	At -15 VDC Supply	
Control Type		TTL			1 Line Logic "1" = J3 - J1	
Control Current		0	+40	μA	V <sub>IH</sub> = +2.0V	
		-400	-1600	μA	V <sub>IL</sub> = +0.8V	
Insertion Loss		0.6	1.0	dB		
Isolation	60	80		dB		
VSWR		1.2/1	1.5/1			
		1.1/1	1.5/1			
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	+70	+75	dBm	1 - 3 MHz	
		+72	+76	dBm	3 - 30 MHz	
	3rd	+36	+40	dBm	1 MHz	
		+39	+47	dBm	2 MHz	
		+40	+49	dBm	3 - 30 MHz	
RF Power						
	Operate		+22	+10	dBm	0.1 dB Compression
	No Damage			+30	dBm	
Operating Temperature	-55	+25	+85	°C	TA	