

FEATURES

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

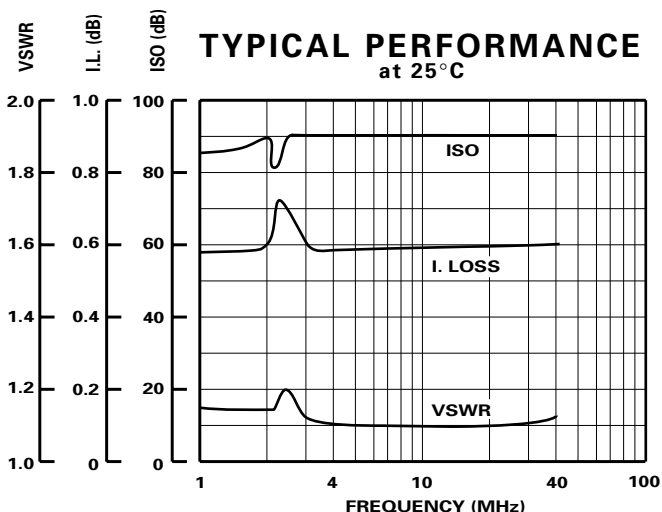
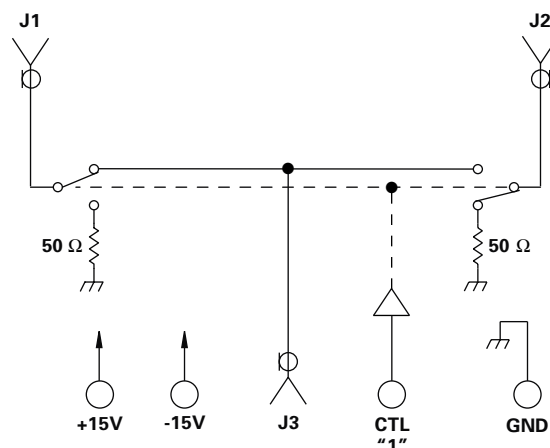
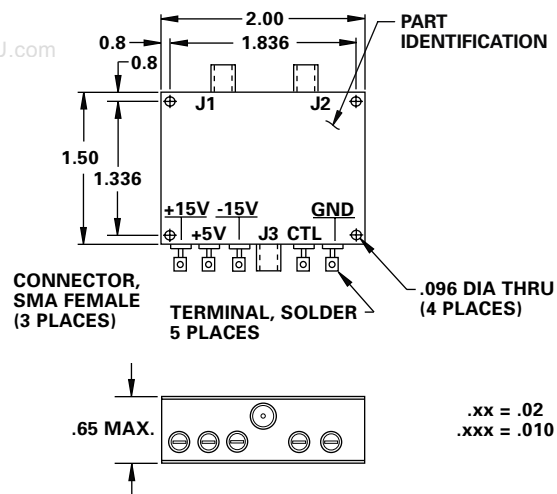


**MODEL NO.
DSW29029**

PIN Diode SP2T

SP2T

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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	High Low	0 -400	+40 -1600	μ A	V _{IH} = +2.0V V _{IL} = +0.8V
Insertion Loss		0.6	1.0	dB	
Isolation	60	80		dB	
VSWR	Thru Termination	1.2/1 1.1/1	1.5/1 1.5/1		
Impedance		50		OHMS	
Switching Speed		19	40	μ SEC	50% TTL - 90% / 10% RF
Transition (Rise/Fall) Time		12	15	μ SEC	10% / 90% to 90% / 10% RF
Switching (Video) Transients		2.3	4	V	Peak Value
Intercept Points	2nd 3rd	+70 +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	+10 +30	dBm	0.1 dB Compression
Operating Temperature	-55	+25	+85	°C	TA