

FEATURES

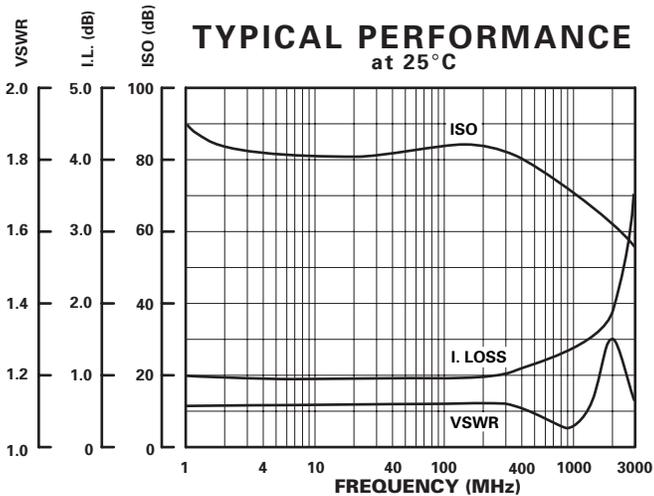
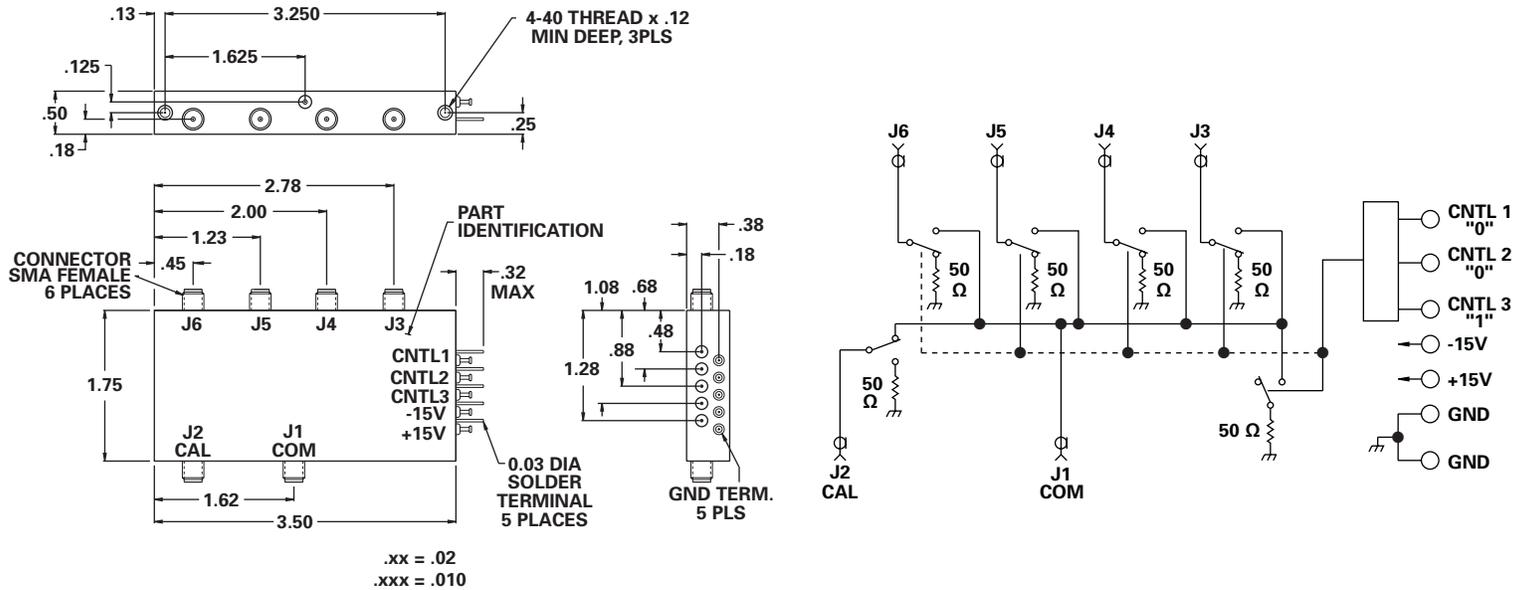
- 2 - 2500 MHz
- 1.5 dB Isolation Loss
- 50 dB Isolation



**MODEL NO.
DSW56178**

Switch SP5T

SP5T



Logic Table			
INPUT CNTL			Function
CNTL 1	CNTL 2	CNTL 3	
0	0	0	All Off
0	0	1	J1 - J2
0	1	0	J1 - J3
0	1	1	J1 - J4
1	0	0	J1 - J5
1	0	1	J1 - J6
1	1	0	All Off
1	1	1	All Off

GUARANTEED PERFORMANCE

Parameter	Min	Typ	Max	Units	Conditions
Operating Frequency	2		2500	MHz	
DC Current		35	50	mA	At +15 VDC Supply
		23	50	mA	At -15 VDC Supply
Control Type		TTL			3 Line, See Logic Table
Control Current	High	1	20	μ A	$V_{IH} = +2.7$ V
	Low	1	-400	μ A	$V_{IL} = +0.5$ V
Isolation	50	56		dB	
Insertion Loss		1.3	1.5	dB	2 - 1000 MHz
		2.5	3	dB	1000 - 2500 MHz
Amplitude Balance		± 0.1	± 0.3	dB	Reference between the calibration port and any input port of the switch
Phase Tracking: Port to Port (Max Differential)		0.6	2	DEG	2 - 1000 MHz
		1.5	10	DEG	1000 - 2500 MHz
VSWR	Thru		1.4/1		
	Termination	1.2/1	1.7/1		2 - 5 MHz
		1.3/1	1.5/1		5 - 2000 MHz
Impedance		50		OHMS	
Switching Speed		80	100	μ SEC	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		10	100	μ SEC	10% / 90% or 90% / 10% RF
Switching (Video) Transients		0.7	1.4	V	Peak Value
Intercept Points	2nd	+60	+64	dBm	
	3rd	+30	+43	dBm	
RF Power	Operate		+19	dBm	0.1 dB Compression
	No Damage		+30	dBm	
Operating Temperature	-55	+25	+85	$^{\circ}$ C	TA