

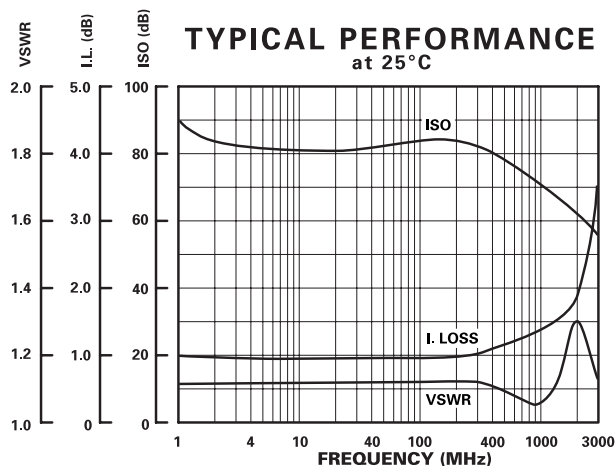
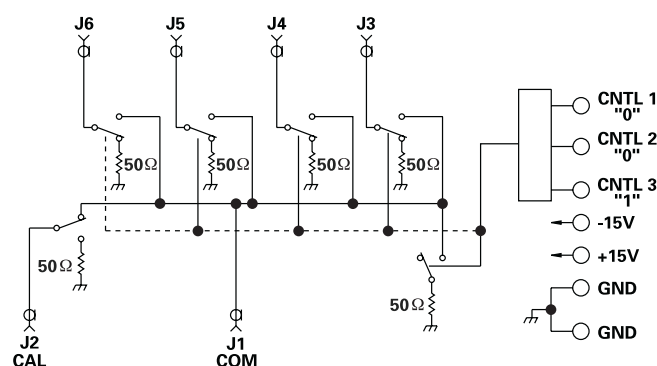
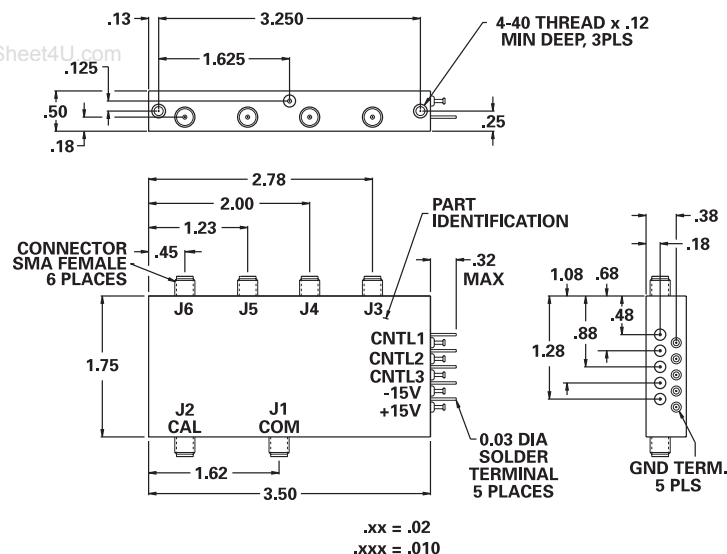
MODEL NUMBER DSW56178

Switch SP5T

FEATURES

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

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	μA	V _{IH} = +2.7 V
	Low	1	-400	μA	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		2 - 5 MHz
	Termination	1.2/1	1.7/1		5 - 2000 MHz
		1.3/1	1.5/1		
Impedance		50		OHMS	
Switching Speed		80	100	μSEC	50% TTL to 90% / 10% RF
Transition (Rise/Fall) Time		10	100	μSEC	10% / 90% or 90% / 10% RF
Switching (Video) Transients		0.7	1.4	V	Peak Value
Intercept Points	2nd	+60	+64		
	3rd	+30	+43		
				dBm	
RF Power	Operate	+19	+15	dBm	0.1 dB Compression
	No Damage		+30	dBm	
Operating Temperature	-55	+25	+85	°C	TA



DAICO Industries

310.507.3242 • FAX 310.507.5701 • www.daico.com

www.DataSheet4U.com