

Features:

TTL-Compatible Driver

Broad Operating Bandwidth

Rugged Construction

Specifications +25° C

Parameter	Min	Typ	Max	Unit
Frequency Range	0.4		8	GHz
Insertion Loss		1.5	2.0	dB
VSWR		1.5:1	1.7:1	
Isolation	60	70		dB
Switching Speed			100	nsec
CW RF Power, Operating			30	dBm
Input/ Output Connectors		SMA-Female		
Material		Aluminum		
Finish		Nickel plated		
Weight		30		g

Notes:

Values at 25° C, sea level.

Switching speed is defined as 50% TTL to 90% RF (t-on) and 50% TTL to 10% RF (t-off).

Environmental Specifications

Operational Temperature (° C)	-45~+85
Storage Temperature(° C)	-55~+125
Vibration	25g rms (15 degree 2KHz)
Humidity	100% RH at 35° C 95% RH at 40° C
Shock	20G for 11msc

DC Bias: +5V@ 200mA max
-5V@ 50mA max

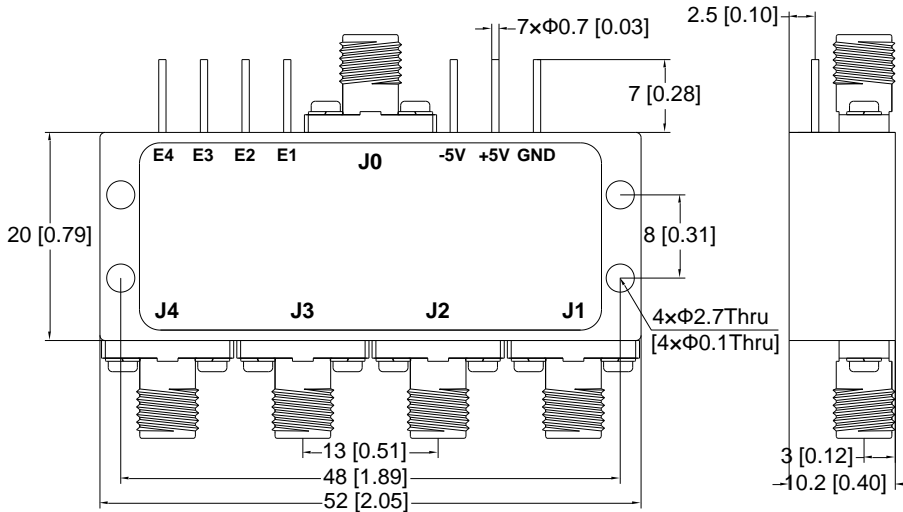
Absolute Maximum Ratings

Biasing	+5V, -5V
TTL Control Voltage	+5V/ 0V
Input RF Power	+30dBm
Storage Temperature (° C)	-55~+125

Truth Table

Control Input TTL				Signal Path State
E4	E3	E2	E1	
1	1	1	0	J0-J1
1	1	0	1	J0-J2
1	0	1	1	J0-J3
0	1	1	1	J0-J4

Outline Drawing



1. Dimensions are in mm [inches]
2. Tolerances: Outline drawing ± 0.2 [0.008] Hole ± 0.2 [0.008]

NOTE: ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME

Part No.		REV.	Description	DATE
KSW177131		1		2020/09/08
DWG NO.	Scale	REV		
	1:1	1		

