

PART NUMBER

**KSW177229**

REV.

DATE

COMMENTS

INITIAL

**Electrical Data**

Impedance	50 $\Omega$
Frequency Range	0.02 - 3 GHz.
Insertion Loss	1.8 dB
Insertion Loss Coefficient	0.003 dB/ $^{\circ}$ C
Isolation	85 dB
RF Input Power	30 dBm
DC Power Dissipation	0.8 W
0.1 dB Compression Point (P0.1 dB)	30 dBm
IIP3	55 dBm
Switching Speed	1 $\mu$ s
Bias Current(+5V/-15V)	160/50 mA
VSWR	1.5

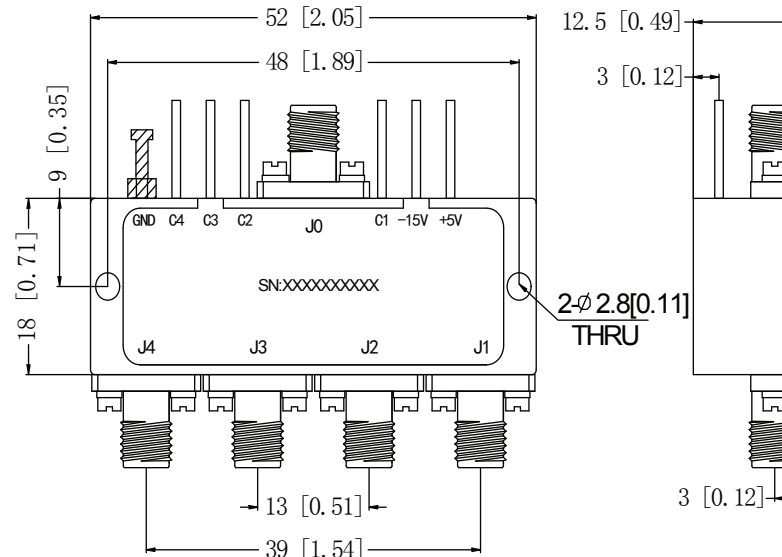
**Environmental Specifications**

Operational Temperature	-45 $^{\circ}$ C--+85 $^{\circ}$ C
Storage Temperature	-55 $^{\circ}$ C--+125 $^{\circ}$ C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Uncontrolled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 $^{\circ}$ c
Shock	20G for 11msec half sine wave, 3 axis both directions

**Absolute Maximum Ratings**

Biasing	+5V $\pm$ 10%/-15V $\pm$ 10%
TTL Control Voltage	0-0.8V/2.8-5V

Note: TTL pins cannot be connected to the negative voltage otherwise the internal driver will be damaged.

**RoHS Compliant****Truth Table**

Control Input TTL				Signal Path State
C4	C3	C2	C1	
1	1	1	1	OFF
1	1	1	0	J0-J1
1	1	0	1	J0-J2
1	0	1	1	J0-J3
0	1	1	1	J0-J4
0	0	0	0	not used

Control Pin Customization available upon request

Drawing not to scale. Dimensions for reference only

Units: mm (inches)

WWW.KONNECTRF.COM  
1-800-790-5887

PART NUMBER

**KSW177229**

DESCRIPTION

**Switch, SP4T, Absorptive**

CAGE CODE

**664U0**

SIGNATURE

X

**Component**  
Body

**Material**  
Aluminum

**Plating**  
Gold

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