

PART NUMBER

**KSW177225**

REV.

DATE

COMMENTS

INITIAL

**Electrical Data**

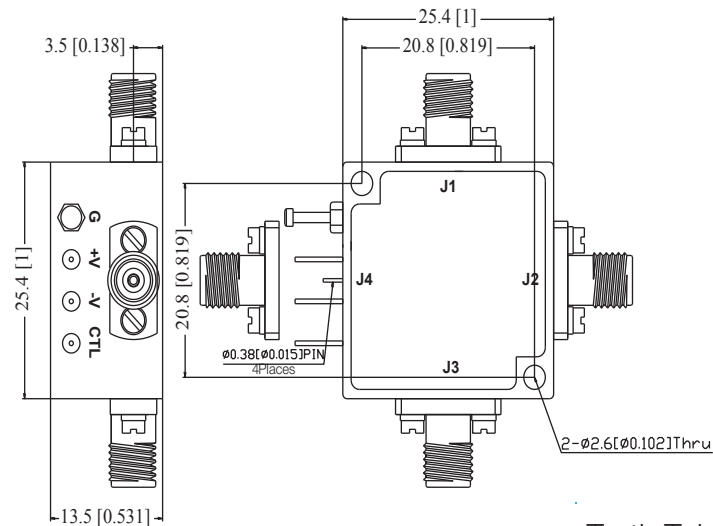
Frequency Range	9.3 - 18 GHz.
Insertion Loss	2.6 dB
Isolation	60 dB
Switching Speed	100 ns
CW RF Power	30 dBm
VSWR	2.0

**Mechanical Data**

Operational Temperature :	-40 °C - 85 °C
Storage Temperature :	-55 °C - 125 °C
Vibration	25g rms (15 degrees 2KHz)
	100% RH @ 35c, 95% RH
Humidity	40°C
Shock	20 G for 11 msc

DC Bias: +5 V±0.5 V @ 100mA max  
-12 V±0.5 V @ 100mA max

Absolute Maximum Ratings	
Biasing	+5 V , -12V
TTL Control Voltage	+5V/0V
Input RF power	+30dBm
Storage Temperature (°C)	-55 ~ +125

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

Control Input TTL	Signal Path State
0	J1-J2& J3-J4
1	J1-J4& J2-J3

**Drawing not to scale. Dimensions for reference only****Units: mm (inches)**

Unless otherwise specified, Outline drawing +/-0.1mm; Hole +/-0.1mm.

**Konnect RF**

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

PART NUMBER

**KSW177225**

DESCRIPTION

**Switch, Pin Diode, Double Pole Double Throw, SMA Female**

CAGE CODE

**664U0**

SIGNATURE

**X**

**Component**  
Body

**Material**  
Aluminum

**Plating**  
Gold

THIS DRAWING INCLUDING THE  
DESIGNS IS THE PROPERTY OF  
KONNECT RF AND IS NOT TO  
BE USED FOR ANY PURPOSE  
WITHOUT OUR APPROVAL.