

Typical Applications

- DC to 3 GHz Band System
- Military & Satellite Communications
- Test and Measurement Equipment
- Antenna Switching

Main Features

- Wideband RF Electro-Mechanical Switch
- Excellent Insertion Loss
- SMA Connectorized
- High Reliability
- RoHS Compliant

Electrical Specifications

Parameter	Unit	Specification
Frequency Range	GHz	DC – 3.0
Isolation	dB	80 min
Insertion Loss	dB	0.2 max @ +25°C
Flatness “ON State”	dB	< 1.2
VSWR		1.2 : 1 max
Switching Time	ms	15 max
Operating Power	W	100 max
In/Out Impedance	Ohm	50 typ.
Actuation Voltage	V	12 (+-10%)
Actuation Current	mA	400 max
Actuation Type		TTL Latching “High Level” +2.2V to +5.5V ; “Low level” 0V to +0.8V
RF Position		Indicator optional
RF Contacts		Break before make
RF Termination AVG Power	W	1 max per termination

Products and Product Information are Subject to Change Without Notice

Environment

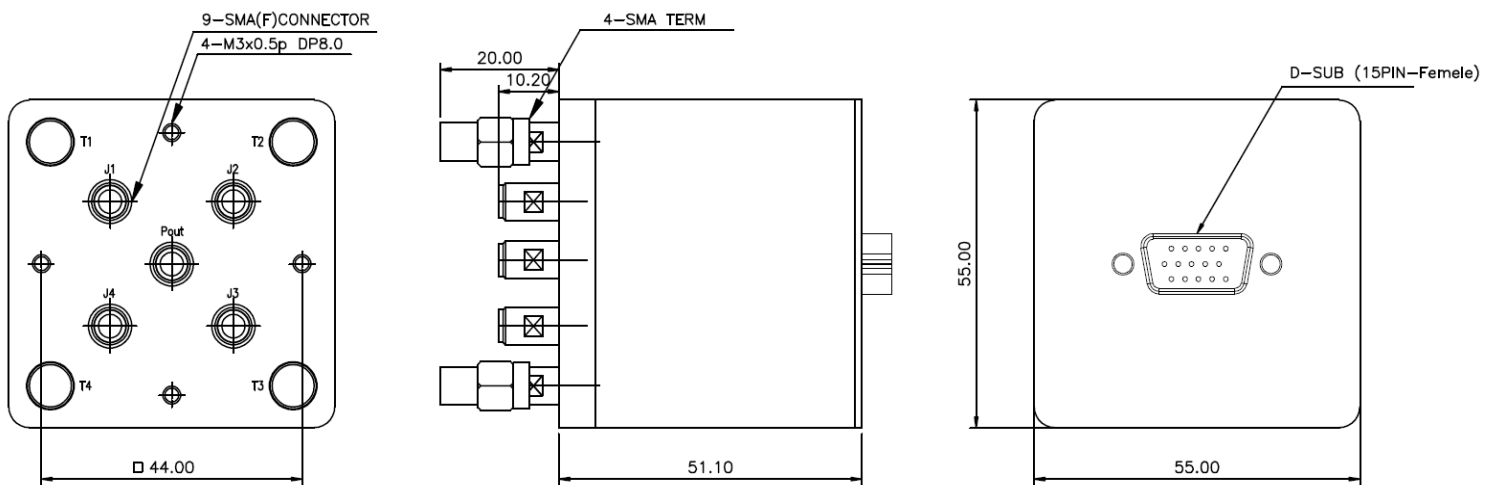
Parameter	Unit	Specification
Operating Temperature	°C	-30°C to +70°C
Storage Temperature	°C	-50°C to +100°C

Mechanical Specifications

Parameter	Unit	Specification
Dimension	mm	55.0 x 55.0 x 51.1
RF connectors		SMA-Female
DC connectors		D-SUB 15 pins Female
Operating life		1.000.000 Cycles

Outline drawing

All dimensions in mm

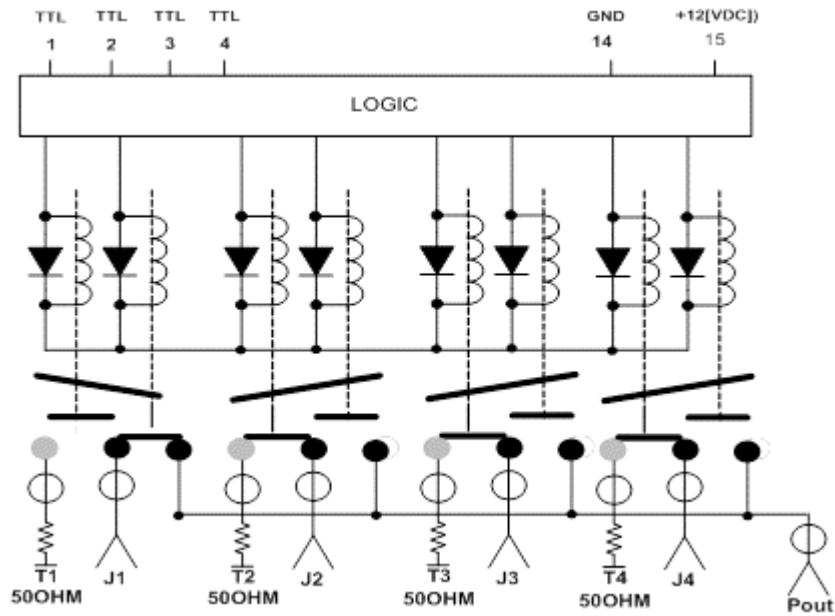


Products and Product Information are Subject to Change Without Notice

Interface Specifications (D-SUB 15 pins Female)

Pin N°	Application	Remark
1	TTL1	J1-Pout (J2-T2 / J3-T3 / J4-T4)
2	TTL2	J2-Pout (J1-T1 / J3-T3 / J4-T4)
3	TTL3	J3-Pout (J1-T1 / J2-T2 / J4-T4)
4	TTL4	J4-Pout (J1-T1 / J2-T2 / J3-T3)
5	IND1	TTL1
6	IND2	TTL2
7	IND3	TTL3
8	IND4	TTL4
9	IND COM	
10	N/C	
11	N/C	
12	N/C	
13	Open all paths	J1-T1 / J2-T2 / J3-T3 / J4-T4
14	GND	
15	+12 V	

Actuator Schematic



Indicator

