



SP9T REFLECTIVE HIGH POWER SWITCH

SP9T108115R2H010

FEATURE:

- Solid State,Mixture Integrated
- High Speed,Low Loss,High Isolation Integral with Driver
- Field Removable SMA(F) Connector
- Operating Temperature:-55~+85°C
- Contorl:TTL"0"Loss,TTL"1"Isolation

APPLICATION:

- Test equipment
- Radar&Warfare system
- Communication system



ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	10.8		11.5	GHz
Insertion Loss			2	dB
Isolation	20			dB
VSWR			2	Ratio
Switching Speed		5		uSec
Power handling average		10		watt
DC Power supply +5V		200		mA
DC Power supply -24V		50		mA

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Operating Temperature	-40		+85	°C
Non-operating Temperature	-55		125	°C
Relative humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	60*60*14	Max	Millimeter
Weight	200	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms



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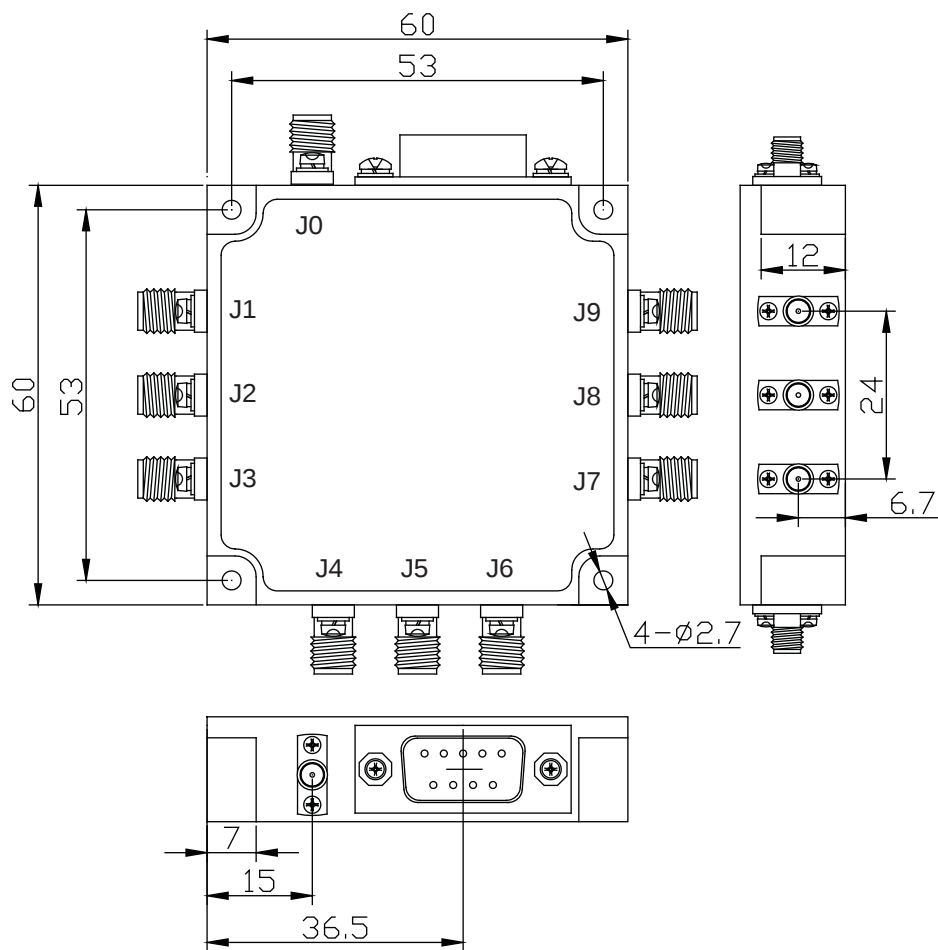
C3	C2	C1	C0	Signal Path
0	0	0	0	J0-J1
0	0	0	1	J0-J2
0	0	1	0	J0-J3
0	0	1	1	J0-J4
0	1	0	0	J0-J5
0	1	0	1	J0-J6
0	1	1	0	J0-J7
0	1	1	1	J0-J8
1	0	0	0	J0-J9

TTL CONTROL LOGIC

Logic 0 (low) (0 to 0.8 V) : Insertion loss

Logic 1 (high) (2.4 to 4.7 V) : Isolation

OUTLINE DRAWING(mm):



9W4