



SP9T REFLECTIVE HIGH POWER SWITCH

SP9T095105R4H100

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	9.5		10.5	MHz
Insertion Loss			1.2	dB
Isolation	45			dB
VSWR			1.5	Ratio
Switching Speed		750		ns
Power handling average CW		100		watt
DC Power supply +5V		200		mA
DC Power supply -38V		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	138*68*18	Max	Millimeter
Weight	300	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms



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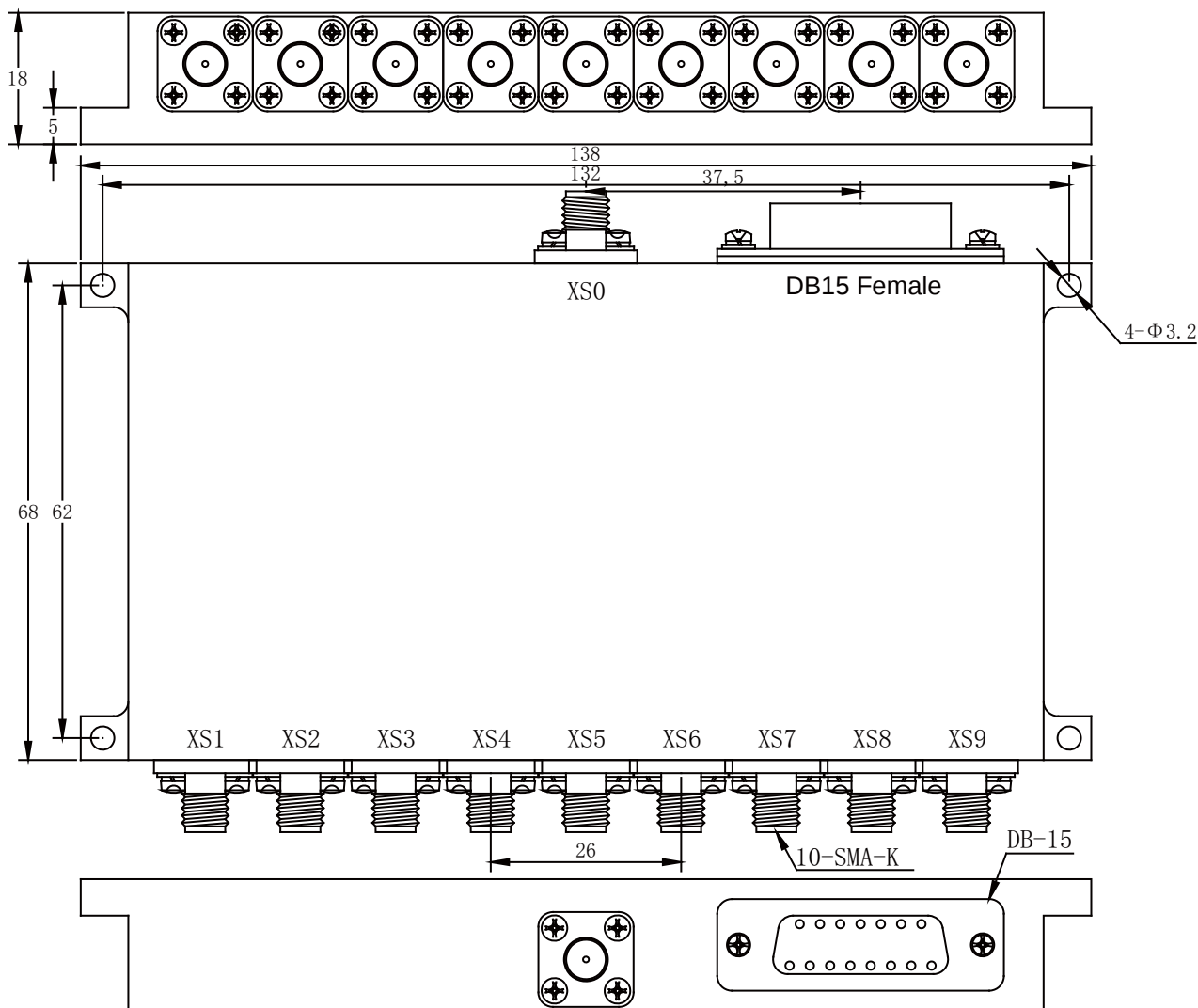
C3	C2	C1	C0	Signal Path
0	0	0	0	J0-J1
0	0	0	1	J0-J2
0	0	1	0	J0-J3
0	0	1	1	J0-J4
0	1	0	0	J0-J5
0	1	0	1	J0-J6
0	1	1	0	J0-J7
0	1	1	1	J0-J8
1	0	0	0	J0-J9

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):



9W3