SOLVANG TECHNOLOY INC.
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40GHZ SP4T 2.92MM 12VDC

NORMALLY OPEN D-SUB 15 PIN TTL LOGIC WITH TTERMINAL COAXIAL SWITCH

P/NO.STI12-0023

RoHS COMPLIANT

SPECIFICATION

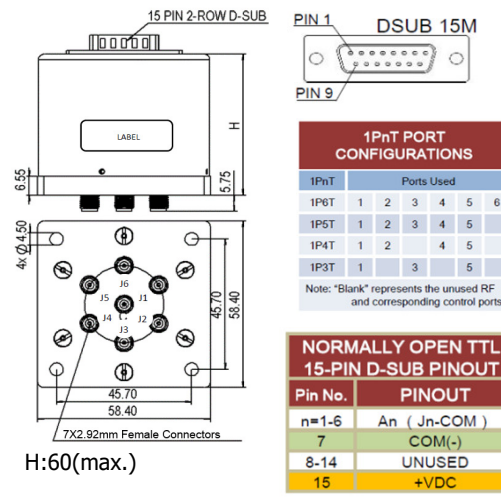
Frequency	DC-40GHz
Isolation	DC-6GHz:80dB(Min.) 6-12GHz:70dB(Min.) 12-18GHz:60dB(Min.) 18-26.5GHz:55dB(Min.) 26.5-50GHz:50dB(Min.)
Insertion Loss	DC-6GHz:0.3dB(Max.) 6-12GHz:0.4dB(Max.) 12-18GHz:0.5dB(Max.) 18-26.5GHz:0.7dB(Max.) 26.5-32GHz:0.8dB(Max.) 32-40GHz:1.0dB(Max.)
VSWR	DC-6GHz:1.3:1(Max.) 6-12GHz:1.4:1(Max.) 12-18GHz:1.5:1(Max.) 18-26.5GHz:1.7:1(Max.) 26.5-32GHz:1.9:1(Max.) 32-40GHz:2.0:1(Max.)
Operating Voltage	DC12V/300mA
Life:	1,000,000 Cycles (Min.)
Switching Time	15ms (Max.)
Relative Humidity	5~85%
Vibration Operating	10G RMS@20~2000Hz
Mechanical Shock(Non-operating)	50G,1/2 Sine, 11 msec
Actuation	Normally Open
RF Connection	2.92mm Female
Impedance	50Ohm

MATERIAL LIST

Part	Material	Plated
Connector	Stainless Steel	

OUTLINE DRAWING

Unit:mm(Tolerance:±0.5mm)



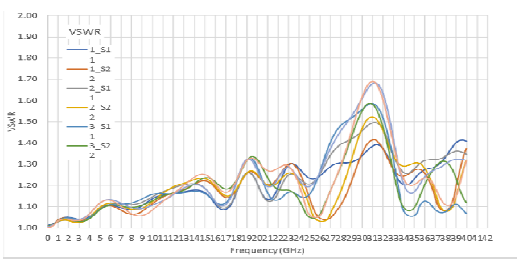
1PnT PORT CONFIGURATIONS						
1PnT	Ports Used					
1P6T	1	2	3	4	5	6
1P5T	1	2	3	4	5	
1P4T	1	2		4	5	
1P3T	1		3		5	

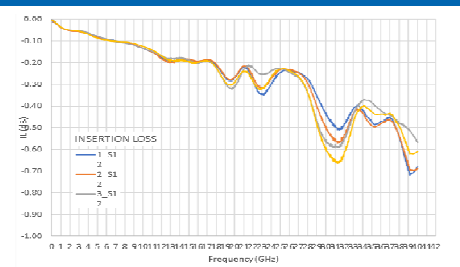
Note: "Blank" represents the unused RF and corresponding control ports.

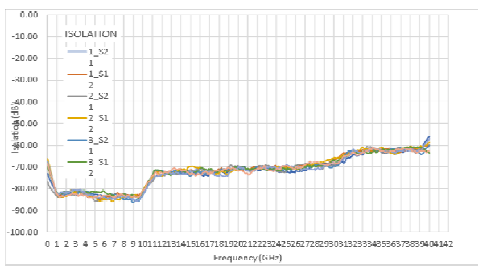
NORMALLY OPEN TTL 15-PIN D-SUB PINOUT	
Pin No.	PINOUT
n=1-6	An (Jn-COM)
7	COM(-)
8-14	UNUSED
15	+VDC

Hot switching is not recommended for this switch. If it must be used, the power must be less than 1W.

TESTING DATA (100% S-PARAMETER TESTED)









Any more request, please contact sales@solvangtech.com. Thank you ~