

18GHZ SP6T SMA 12VDC
NORMALLY OPEN TTL D-SUB 15 TERMINATED COAXIAL SWITCH
P/NO.STI12-0017

SPECIFICATION

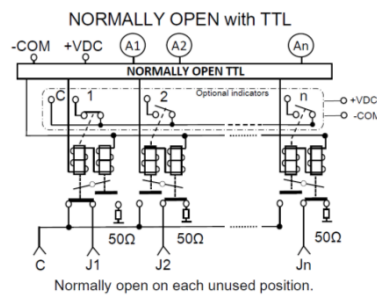
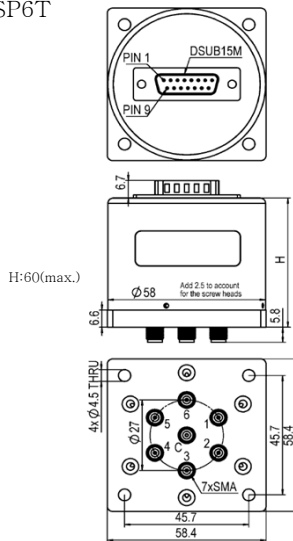
Frequency	DC-18GHz
Isolation	DC-6GHz:80dB(Min.) 6-12GHz:70dB(Min.) 12-18GHz:60dB(Min.)
Insertion Loss	DC-6GHz:0.3dB(Max.) 6-12GHz:0.4dB(Max.) 12-18GHz:0.5dB(Max.)
VSWR	DC-6GHz:1.3:1(Max.) 6-12GHz:1.4:1(Max.) 12-18GHz:1.5:1(Max.)
Operating Voltage	DC12V/300mA
Life:	1,000,000 Cycles (Min.)
Switching Time	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	SMA Female
Impedance	50ohm
Operating Temp.	-25~+ 65°C

MATERIAL LIST

Part	Material Plated
------	-----------------


OUTLINE DRAWING

SP3T~SP6T



Unit:mm(Tolerance:±0.5mm)

Pin No.	PINOUT
n=1-6	An (Jn-COM)
7	COM(-)
8-14	UNUSED
15	+VDC

Pin 1-6: The corresponding control signal inputs.

SPnT PORT CONFIGURATIONS

SPnT	Ports Used					
SP6T	1	2	3	4	5	6
SP5T	1	2	3	4	5	
SP4T	1	2		4	5	
SP3T	1		3		5	

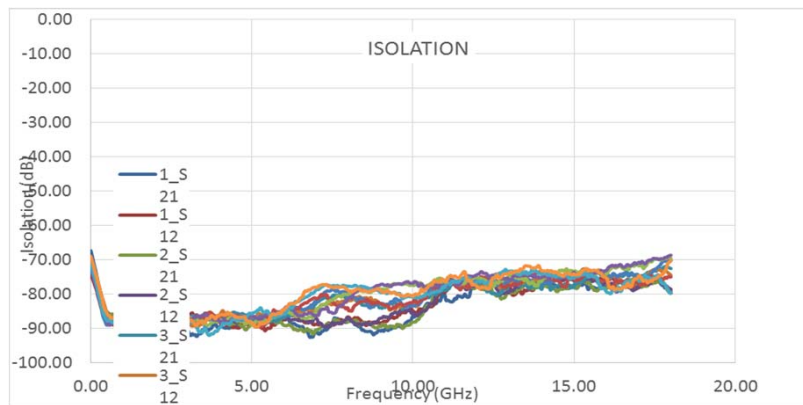
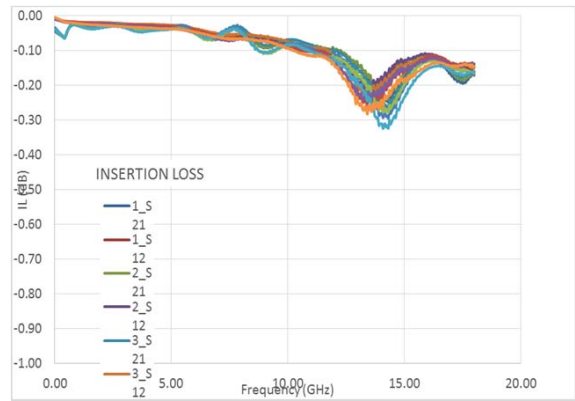
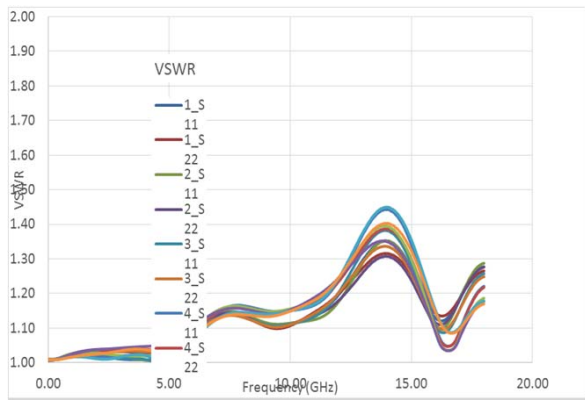
Note: "Blank" represents the unused RF and corresponding control ports.

Logic Truth Table

RF PATH	A(n)	+VDC	COM
J(n)-C	1	Rated +V	GND
J(n)-T or Open	0	Rated +V	GND

 NOTE: (1) TTL logic input A(n): low "0" = 0.0V - 0.8V; high "1" = 2.4V - 5.5V.
 (2) +VDC=Rated voltage.

TESTING DATA (100% S-PARAMETER TESTED)



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