SOLVANG TECHNOLOY INC.
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DC-18GHZ SPDT RF SWITCH

SMA 12VDC FAILSAFE TTL SOLDER D-SUB 9 PIN

P/NO.STI12-0031

RoHS COMPLIANT

SPECIFICATION

Frequency	DC-18GHz
Isolation	DC-12GHz:80dB(Min.) 12-18GHz:70dB(Min.)
Insertion Loss	DC-12GHz:0.15dB(Max.) 12-18GHz:0.25dB(Max.)
VSWR	DC-12GHz:1.2:1(Max.) 12-18GHz:1.3:1(Max.)
Operating Voltage	DC12V/190mA
Life	5,000,000 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	Failsafe
RF Connection	SMA Female
Impedance	50Ohm
Power Handling	50W(Avg.)
Operating Temp.	-25~+65℃

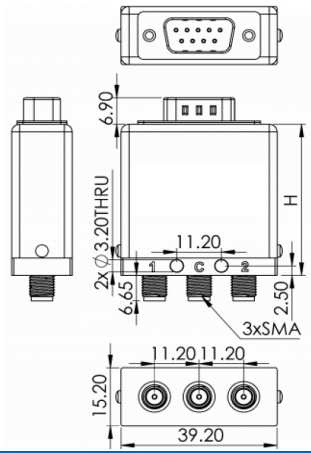
MATERIAL LIST

Part	Material	Plated
Connector Body	Brass	Nickel

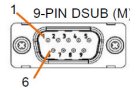


OUTLINE DRAWING

Unit:mm(Tolerance:±0.5mm)

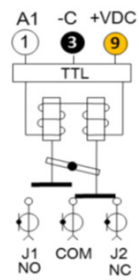


H:52mm(Max.)



9-Pin D-SUB PINOUT	
Pin No.	PINOUT
1	A1
2	UNUSED
3	COM(-)
4	UNUSED
5	UNUSED
6	UNUSED
7	UNUSED
8	UNUSED
9	+VDC

Failsafe TTL



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

TESTING DATA (100% S-PARAMETER TESTED)

