



SOLVANG TECHNOLOGY INC.

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DC-18GHZ SPDT RF SWITCH

SMA 24VDC FAILSAFE SOLDER TERMINALS

P/NO.ST112-0002



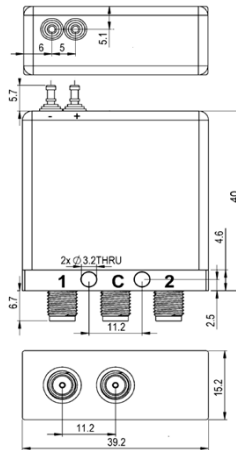
SPECIFICATION

Frequency	DC-18GHz
Isolation	DC-6GHz:70dB(Min.) 6-12GHz:70dB(Min.) 12-18GHz:60dB(Min)
Insertion Loss:	DC-6GHz:0.2dB(Max.) 6-12GHz:0.25dB(Max.) 12-18GHz:0.4dB(Max.)
VSWR:	DC-6GHz:1.2:1(Max.) 6-12GHz:1.3:1(Max.) 12-18GHz:1.4:1(Max.)
Operating Voltage	DC24V/200mA
Life:	1,000,000 Cycles (Min.)
Vibration Operating	10G RMS, 20-2000Hz
Switching Time	15ms (Max.)
Relative Humidity	5-85%
Mechanical Shock (non-Operating)	50G, 1/2 Sine, 11 msec
Switching Sequence	Break Before Make
RF Connection:	SMA Female
Impedance:	50Ohm
Operating Temp.	-25~+65°C

MATERIAL LIST

Part	Material Plated
Housing	Aluminum
SMA Connector	Stainless Steel

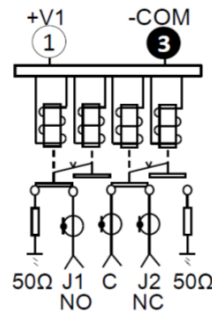
OUTLINE DRAWING



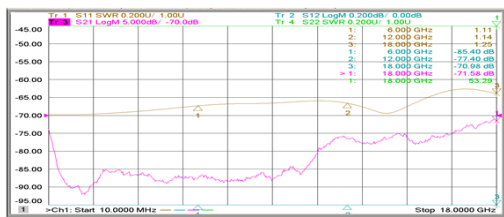
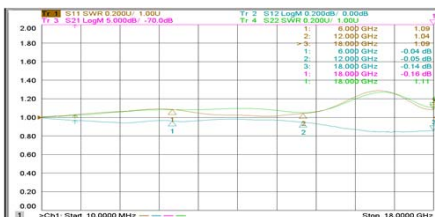
Unit:mm Tolerance:±0.5mm

Electrical Schematics

Failsafe
Terminated



TESTING DATA (100% S-PARAMETER TESTED)



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