

NSS2

SPDT, DC~18GHz

Features:

- * Low VSWR
- * Low Insertion Loss
- * High Isolation

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test
- * Radar

Electrical

Frequency:	DC~18GHz
Voltage:	12±2V DC 18±2V DC
Current:	130mA@12V DC 195mA@18V DC
Impedance:	50Ω

Frequency range (GHz)	Insertion Loss (dB Max.)	Isolation (dB Min.)	VSWR (Max.)
DC-2	0.2	70	1.3
2-5	0.3	60	1.4
5-12	0.4	50	1.5
12-18	0.7	40	1.7

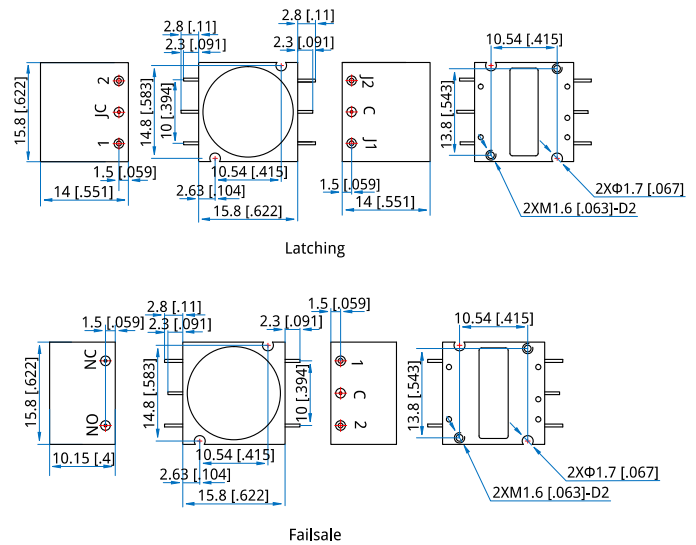
Mechanical

Connector Type:	PIN (Φ0.45mm)
Switching Time:	10ms
Operation Life:	1M Cycles
Weight:	17g(Failsafe) 25g(Latching)

Environmental

Operating Temperature:	-40~+85°C
Extended Temperature:	-55~+85°C

Outline Drawings



Additional Options

Extended Temperature: Z

How To Order

NSS2-F-XYZ

F: Frequency in GHz

X: Actuator Type. Failsafe: 0, Latching: 1.

Y: Voltage. +12V: E, +18V: H.

Z: Additional Options.

Examples:

To order a Surface mount switch, SPDT, DC-2GHz, Failsafe, +12V, specify NSS2-2-0E.

Customization is available upon request.

Pin Numbering

Failsafe

Pin	Function	Pin	Function
1	VDC	C	RF (COM)
2	GND	NO	RF 2
NC	RF 1		

Latching

Pin	Function	Pin	Function
1	VDC	J1	RF 1
2	VDC	JC	RF (COM)
C	GND	J2	RF 2

Control Logic

Failsafe

Position	1	2	Indicator status
POS 1	NC	GND	NC-C ON NO-C OPEN
POS 2	VDC	GND	NC-C OPEN NO-C ON

Latching

Position	1	2	C	Indicator status
POS 1	VDC	NC	GND	J1-JC ON J2-JC OPEN
POS 2	NC	VDC	GND	J1-JC OPEN J2-JC ON

Driving Schematic Diagram

