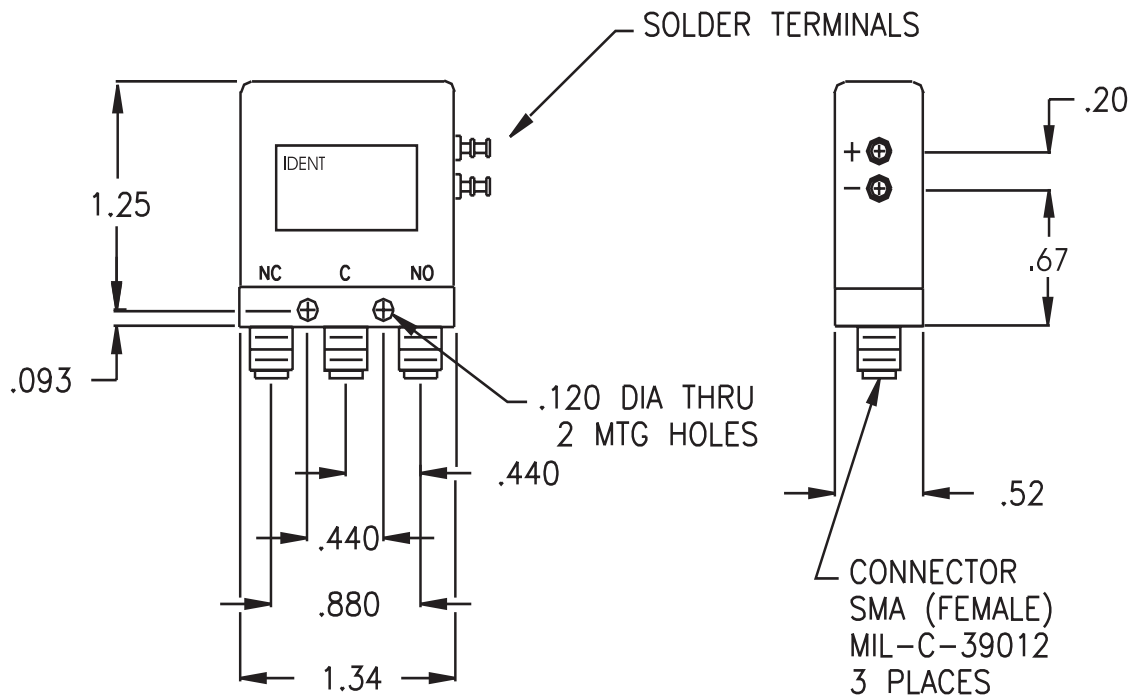


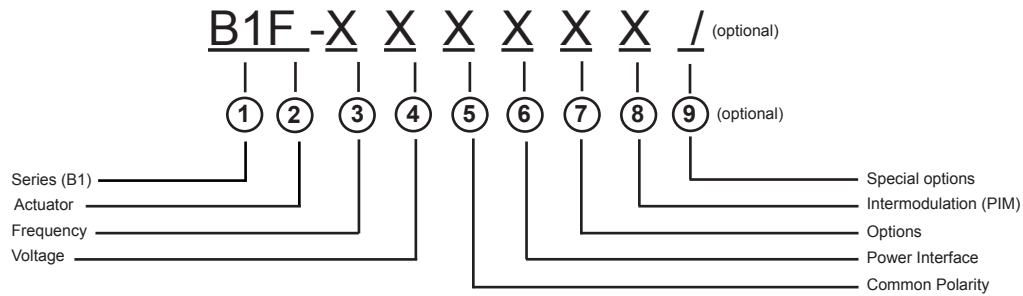
B1 SERIES SPDT FAILSAFE DC - 26.5 GHz



FREQUENCY: GHz	DC - 2.0	2.0 - 4.0	4.0 - 8.0	8.0 - 12.4	12.4 - 18.0	18.0 - 26.5
VSWR (MAX.)	1.20:1	1.25:1	1.30:1	1.40:1	1.50:1	1.65:1
INSERTION LOSS (MAX.)	0.20	0.25	0.30	0.40	0.50	0.70
ISOLATION (MIN.)	90	80	80	70	60	50
IMPEDANCE	50 Ohms					
MECHANICAL						
CONTACT	:	BREAK BEFORE MAKE				
ACTUATOR	:	FAILSAFE				
SWITCHING SPEED	:	20 mSEC MAX.				
ELECTRICAL						
ACTUATOR VOLTAGE	:	28.0, 12.0, 15.0, 24.0 Vdc				
ACTUATOR CURRENT	:	CONTACT CEI				
POWER HANDLING	:	200 WCW @ 1.0 GHz (STANDARD)				
	:	300 WCW @ 1.0 GHz (OPT. /P)				
ENVIRONMENTAL						
OPERATING TEMP	:	-40 DEG. C TO 85 DEG. C (STANDARD)				
	:	-54 DEG. C TO 90 DEG. C (OPT. /MS)				
SHOCK	:	50 G'S (SAWTOOTH)				
RANDOM VIBRATION	:	15 G'S rms (NON-OPERATING)				
LIFE	:	1,000,000 CYCLES				
FINISH						
RF CAVITY	:	ALUMINUM ELECTROLESS NICKEL PLATED PER MIL-C-26074, CLASS 4 (EXCEPT LOW OR ULTRA LOW PIM MODELS)				
ENCLOSURE	:	ALUMINUM, BLACK				
CONTACT	:	BERYLLIUM COPPER, GOLD PLATED PER MIL-G-45204				
CONNECTOR SHELL	:	CRES, PASSIVATED PER QQ-P-35 OR BRASS, ELECTROLESS NICKEL PLATED PER MIL-C-26074				
NOTE	:	FINISH MAY MAY FOR /MS VERSION				
AVAILABLE OPTIONS LOW, ULTRA LOW, AND SUPERIOR INTERMODULATION (PIM)						



B1 SERIES PART NUMBER & ORDERING INFORMATION

**1 - Switch Series**

B1 SPDT SMA

2 - Actuator

F FAILSAFE

3 - Frequency Bandwidth

1	DC - 13.0 GHz	6	DC - 6.0 GHz
2	DC - 2.0 GHz	7	DC - 26.5 GHz
3	DC - 12.4 GHz	8	DC - 20.0 GHz
4	DC - 4.0 GHz	0	OTHER (SPECIFY)
5	DC - 18.0 GHz		

4 - Voltage

1	10 - 14 Vdc (12.0 NOMINAL)	4	26 - 30 Vdc (28.0 NOMINAL)
2	13 - 17 Vdc (15.0 NOMINAL)	5	OTHER
3	22 - 26 Vdc (24.0 NOMINAL)	0	NOT REQUIRED

5 - Common Polarity

0 NOT REQUIRED

6 - Power Interface

1 SOLDER TERMINAL (SIDE OF SWITCH)

7 - Options

0 NO OTHER OPTIONS REQUIRED

8 - Intermodulation

7	LOW PASSIVE INTERMODULATION	9	ULTRA LOW PASSIVE INTERMODULATION
8	SUPERIOR PASSIVE INTERMODULATION	0	STANDARD SWITCH

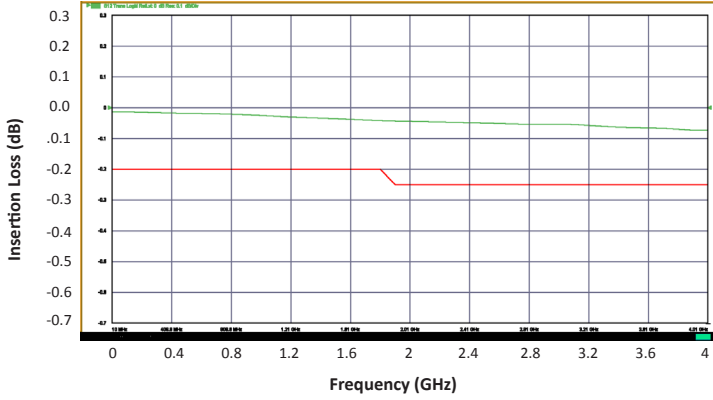
9 - Special Options (optional - leave blank if not required)

/P HIGH TEMP, HIGH POWER CONNECTOR
 /MS EXTENDED TEMP RANGE -54 DEG C TO + 90 DEG
 /MSP HIGH TEMP, HIGH POWER CONNECTOR AND EXTENDED TEMP RANGE

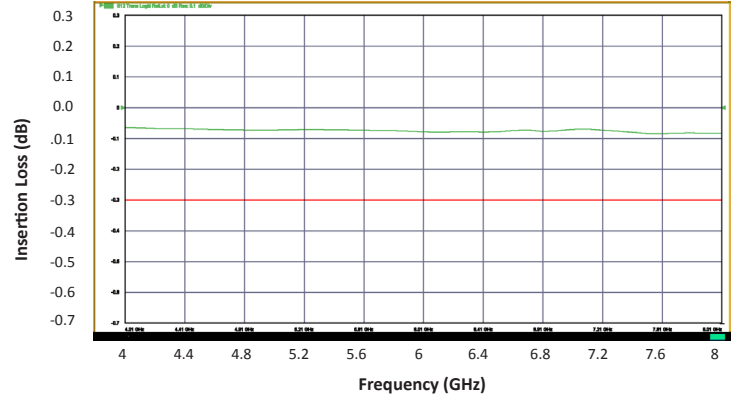
SP2T - B1 Series

TYPICAL NARROWBAND INSERTION LOSS PERFORMANCE CURVES

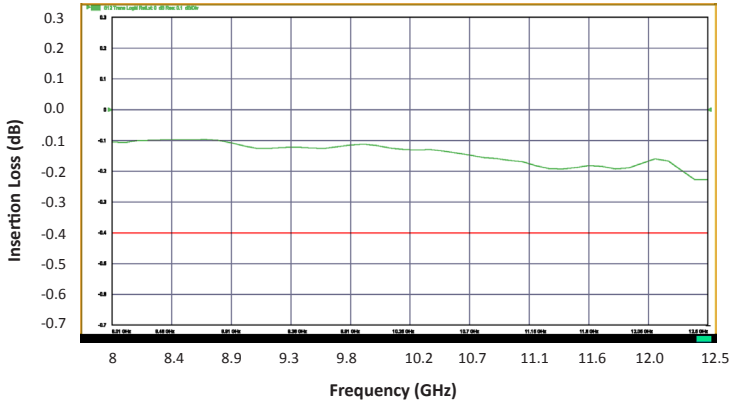
Insertion Loss (DC-4 GHz)



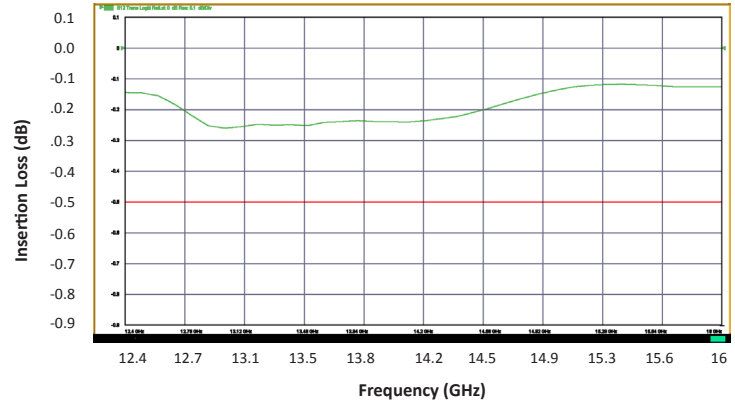
Insertion Loss (4-8 GHz)



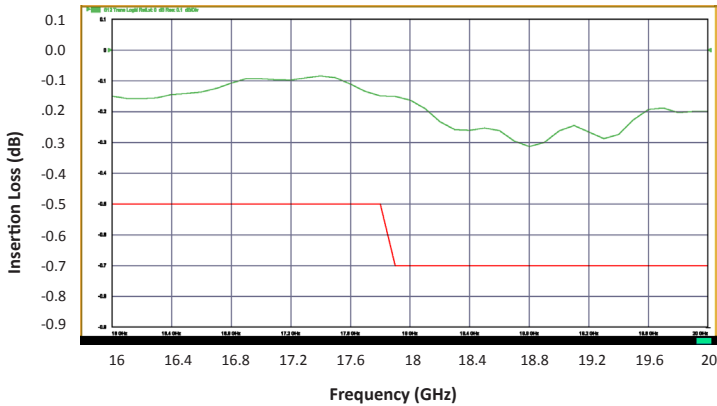
Insertion Loss (8-12.4 GHz)



Insertion Loss (12.4-16 GHz)



Insertion Loss (16-20 GHz)

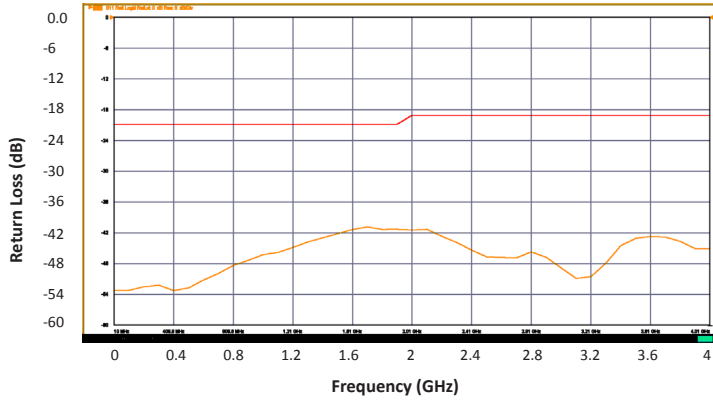


— TYPICAL
 — MAXIMUM TEST LIMIT

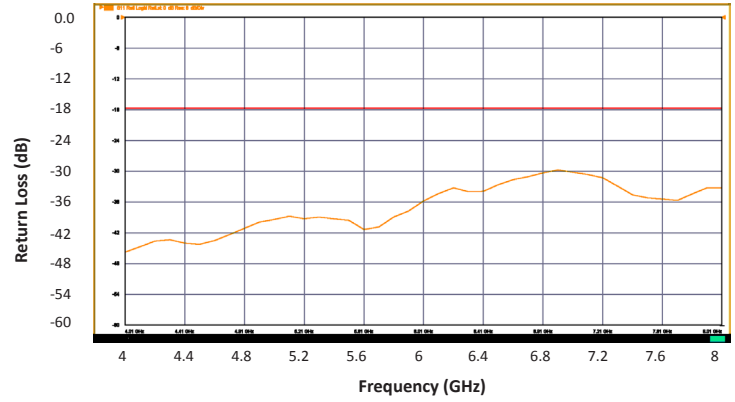
SP2T - B1 Series

TYPICAL NARROWBAND RETURN LOSS PERFORMANCE CURVES

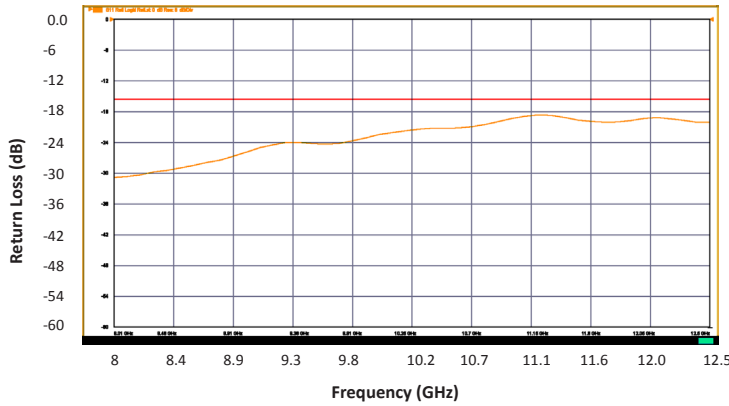
Return Loss (DC-4 GHz)



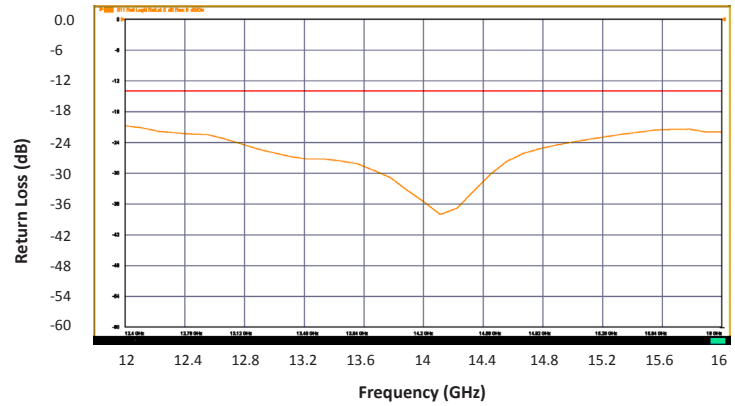
Return Loss (4-8 GHz)



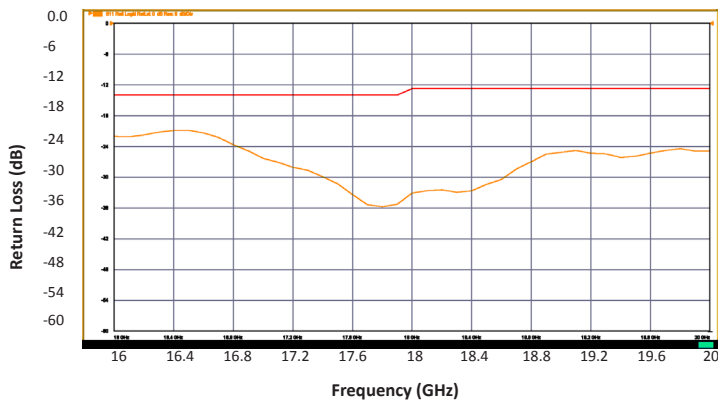
Return Loss (8-12.4 GHz)



Return Loss (12.4-16 GHz)



Return Loss (16-20 GHz)

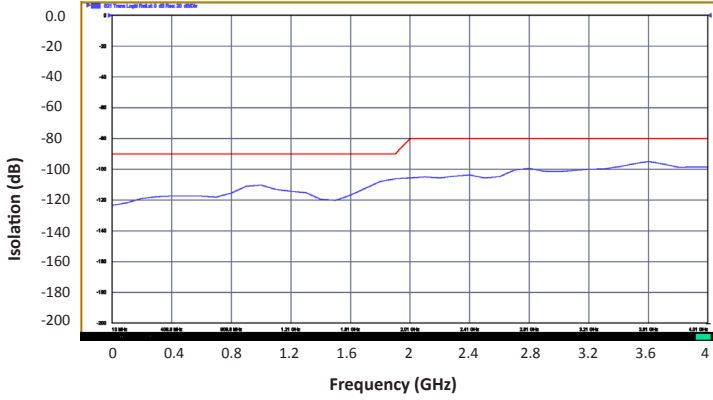


— TYPICAL
 — MAXIMUM TEST LIMIT

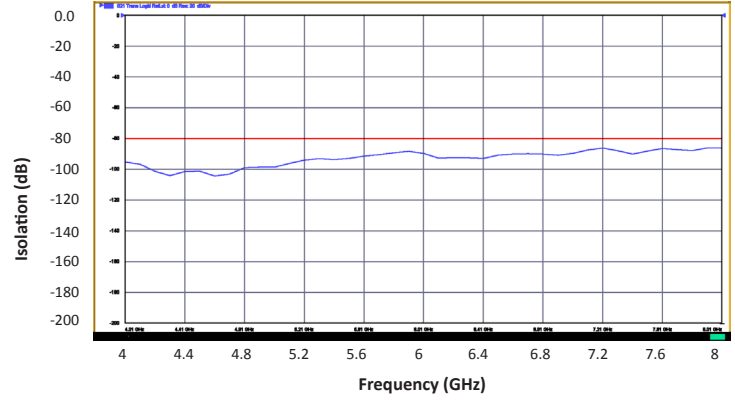
SP2T - B1 Series

TYPICAL NARROWBAND ISOLATION PERFORMANCE CURVES

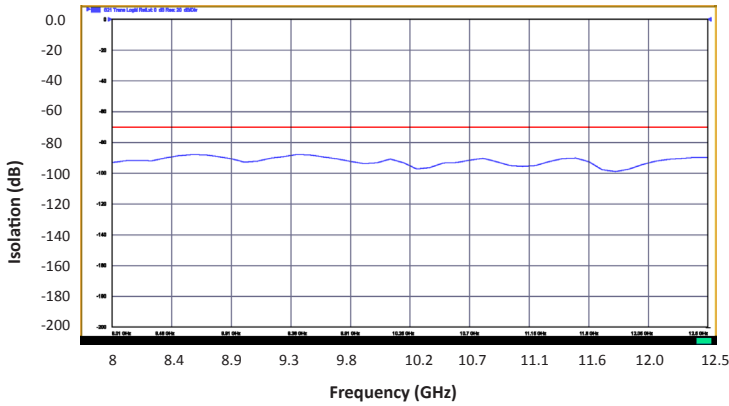
Isolation (DC-4 GHz)



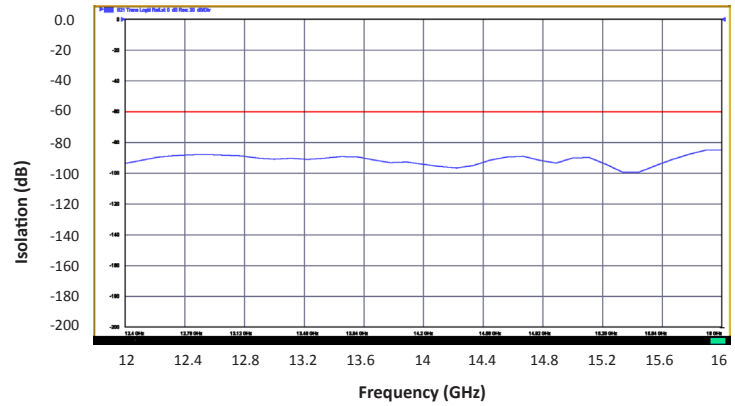
Isolation (4-8 GHz)



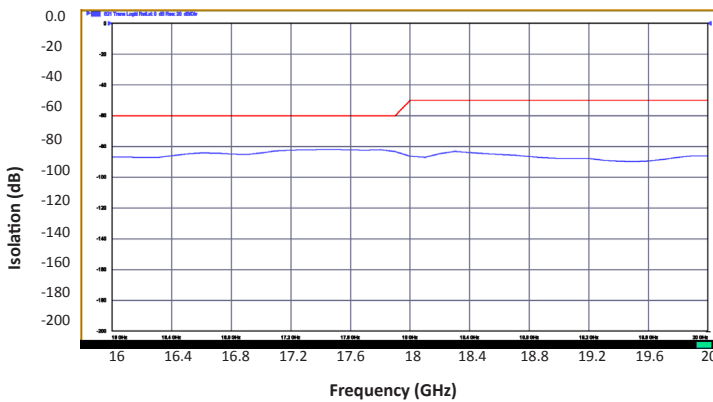
Isolation (8-12.4 GHz)



Isolation (12.4-16 GHz)



Isolation (16-20 GHz)



— TYPICAL
 — MAXIMUM TEST LIMIT