

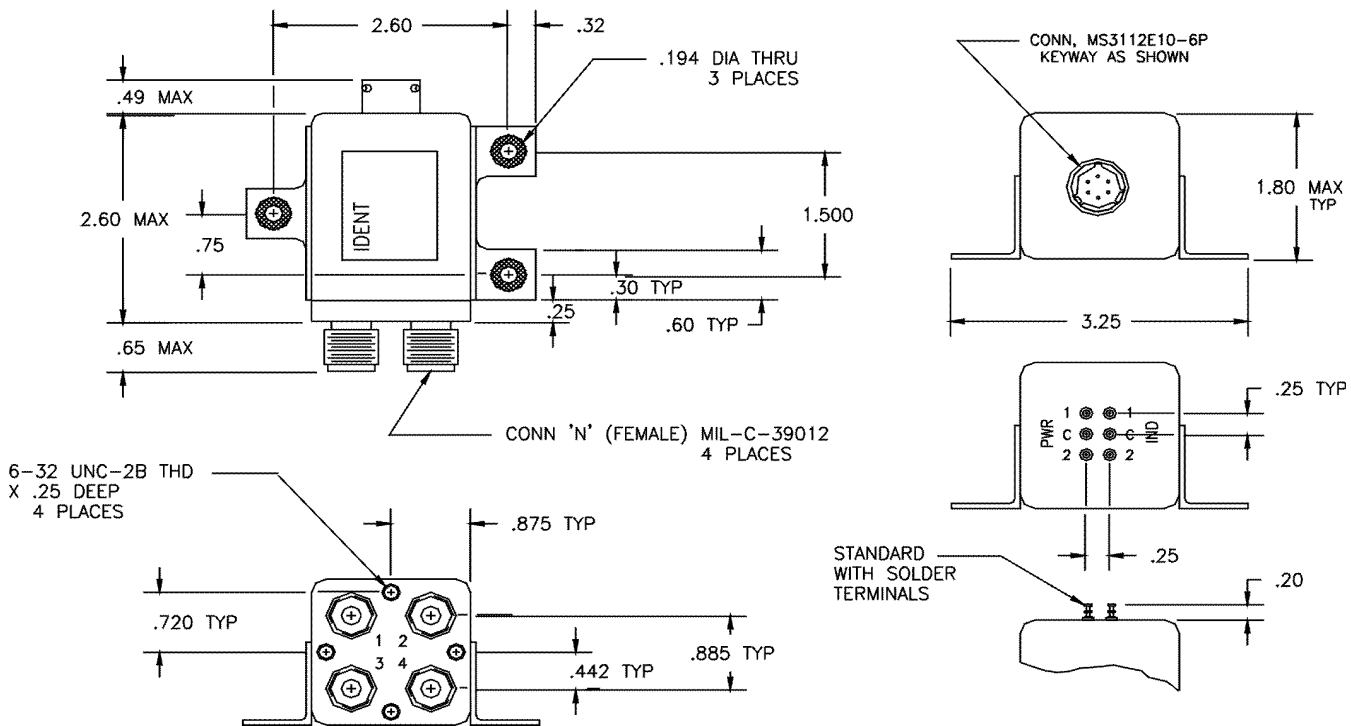
# L2 SERIES DPDT (TRANSFER) DC - 12.4 GHz



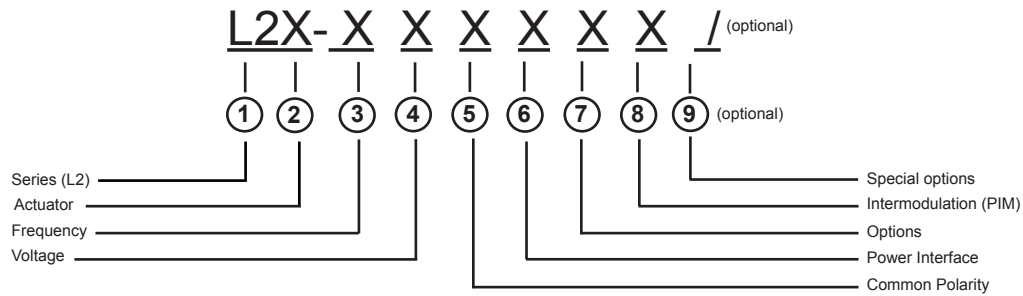
<b>FREQUENCY:</b> GHz	DC - 2.0	2.0 - 4.0	4.0 - 8.0	8.0 - 12.4
<b>VSWR (MAX.)</b>	1.20:1	1.30:1	1.40:1	1.50:1
<b>INSERTION LOSS (MAX.)</b>	0.20	0.30	0.40	0.50
<b>ISOLATION (MIN.)</b>	80	70	70	60
<b>IMPEDANCE</b>	50 Ohms			
<b>MECHANICAL</b>				
CONTACT ACTUATOR SWITCHING SPEED	:	BREAK BEFORE MAKE FAILSAFE, LATCHING, MOMENTARY 20 mSEC MAX.		
<b>ELECTRICAL</b>				
ACTUATOR VOLTAGE ACTUATOR CURRENT POWER HANDLING	:	28.0, 12.0, 15.0, 24.0 Vdc CONTACT CEI 350 WCW @ 1.0 GHz (STANDARD) 950 WCW @ 1.0 GHz (OPT. /P)		
<b>ENVIRONMENTAL</b>				
OPERATING TEMP SHOCK RANDOM VIBRATION LIFE	:	-40 DEG. C TO 85 DEG. C (STANDARD) -54 DEG. C TO 90 DEG. C (OPT. /MS) 50 G's (SAWTOOTH) 15 G's rms (NON-OPERATING) 1,000,000 CYCLES		
<b>FINISH</b>				
RF CAVITY ENCLOSURE CONTACT CONNECTOR SHELL NOTE	:	ALUMINUM ELECTROLESS NICKEL PLATED PER MIL-C-26074, CLASS 4 (EXCEPT LOW OR ULTRA LOW IM MODELS) ALUMINUM, BLACK OR BLUE BERYLLIUM COPPER, GOLD PLATED PER MIL-G-45204 CRES, PASSIVATED PER QQ-P-35 OR BRASS, ELECTROLESS NICKEL PLATED PER MIL-C-26074 FINISH MAY VARY FOR /MS VERSION		
<b>AVAILABLE OPTIONS</b>				
INDICATOR CIRCUITRY SUPPRESSION DIODE TTL LOGIC LOW, ULTRA LOW, AND SUPERIOR INTERMODULATION (IM)	:	CUT OFF POWER CIRCUIT MS CONNECTOR OR EQUIV. (MIL-SPEC) D'SUB MINIATURE SERIES FINISH MAY VARY FOR /MS VERSION		

EACH MODEL NUMBER WILL HAVE A UNIQUE SCHEMATIC.

REFERENCE FOR DIMENSIONS ONLY  
AVAILABLE WITH SOLDER TERMINALS, D'SUB OR MS CONNECTOR



## L2 SERIES PART NUMBER &amp; ORDERING INFORMATION

**1 - Switch Series**

L2 DPDT TRANSFER TYPE N

**2 - Actuator**

F	FAILSAFE	Y	OTHER (SPECIFY)
G	FAILSAFE WITH SUPPRESSION DIODE		
H	FAILSAFE WITH INDICATOR		
J	FAILSAFE WITH SUPPRESSION DIODE AND INDICATOR		
L	LATCHING		
M	LATCHING WITH SUPPRESSION DIODE		
N	LATCHING WITH INDICATOR		
P	LATCHING WITH SUPPRESSION DIODE AND INDICATOR		

**3 - Frequency Bandwidth**

1	DC - 13.0 GHz
2	DC - 2.0 GHz
3	DC - 12.4 GHz
4	DC - 4.0 GHz
6	DC - 6.0 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**

1	POSITIVE (+) COMMON
2	NEGATIVE (-) OR RETURN Vdc COMMON
0	NOT REQUIRED

**6 - Power Interface**

1	SOLDER TERMINAL (TOP OF SWITCH)	5	D' SUB MINIATURE SERIES (TOP OF SWITCH)
3	CONN MS3112E-XX-XXP OR EQUIV. (TOP OF SWITCH)	8	OTHER

**7 - Options**

1	CUT OFF POWER CIRCUIT (LATCHING ONLY)	8	OTHER (SPECIFY)
2	TTL LOGIC	9	CUSTOM (ORDER)
3	CUT OFF PWR CIRCUIT & TTL LOGIC (LATCHING ONLY)	0	NO OTHER OPTIONS REQUIRED
4	BCD TTL DECODER		

**8 - Intermodulation**

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

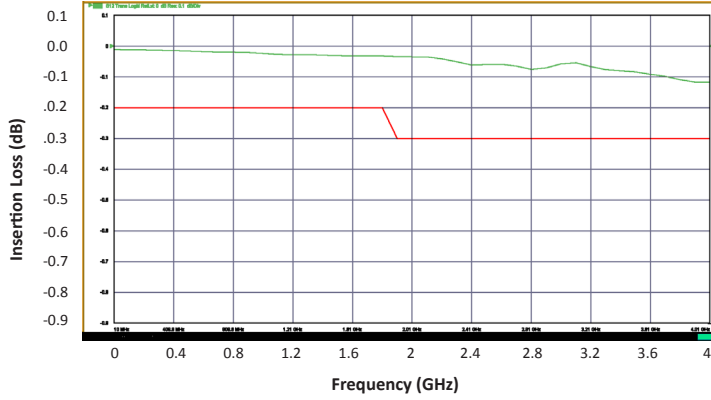
**9 - Special Options (optional - leave blank if not required)**

/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

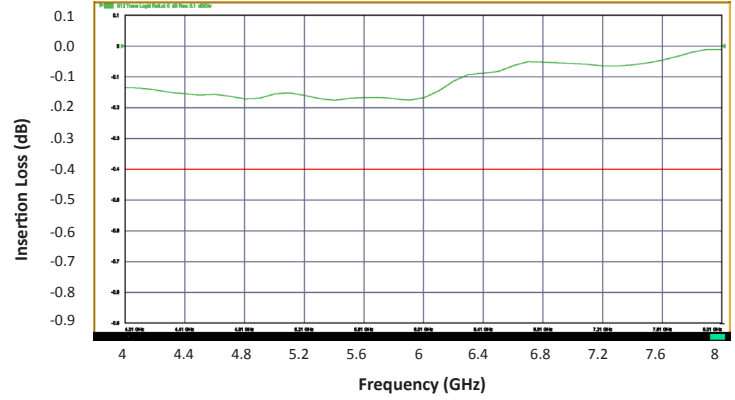
**DPDT - L2 Series**

**TYPICAL NARROWBAND INSERTION LOSS PERFORMANCE CURVES**

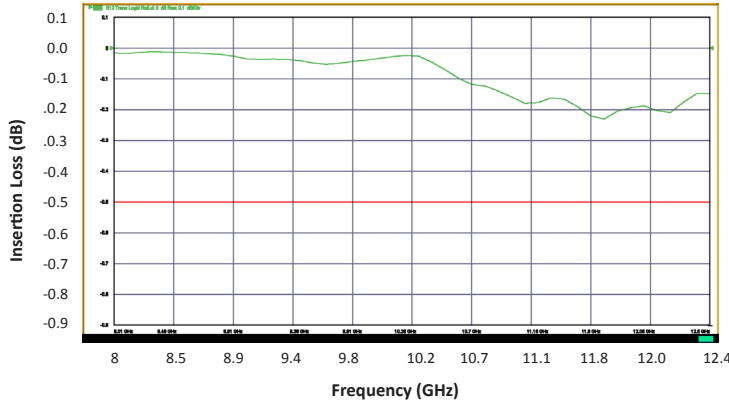
Insertion Loss (DC-4 GHz)



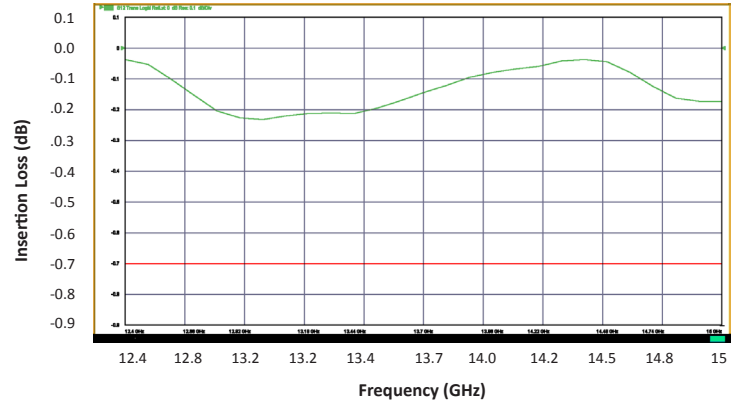
Insertion Loss (4-8 GHz)



Insertion Loss (8-12.4 GHz)



Insertion Loss (12.4-15 GHz)

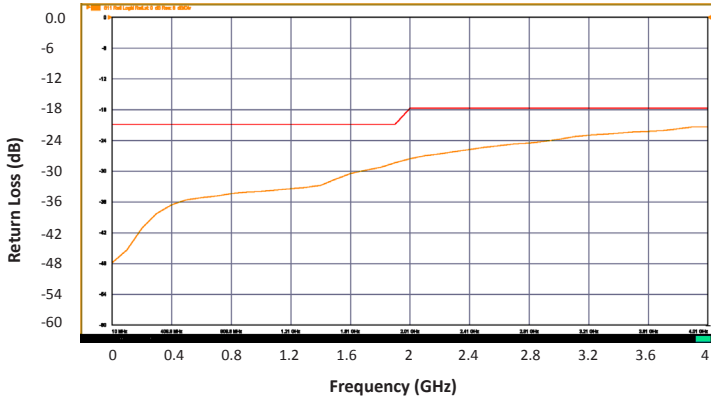


— TYPICAL  
 — MAXIMUM TEST LIMIT

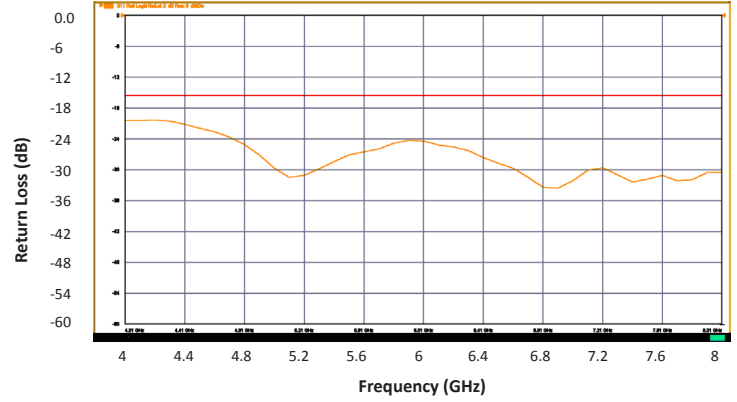
**DPDT - L2 Series**

**TYPICAL NARROWBAND RETURN LOSS PERFORMANCE CURVES**

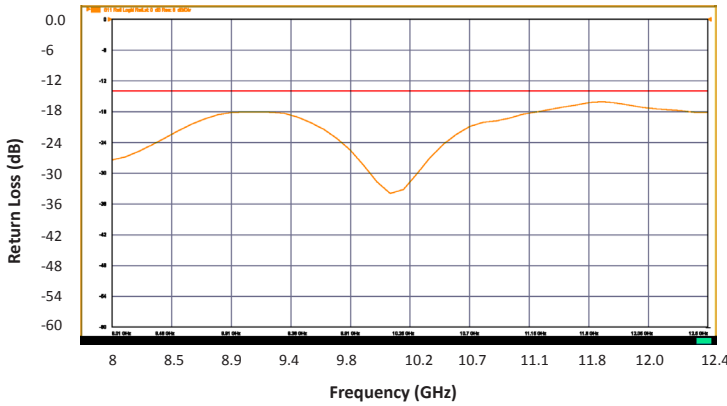
Return Loss (DC-4 GHz)



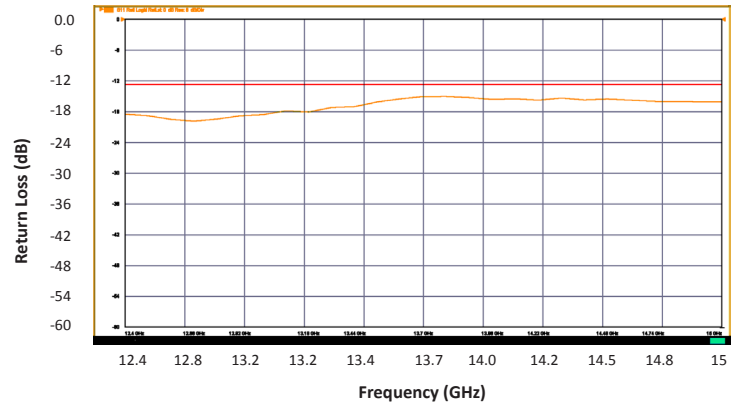
Return Loss (4-8 GHz)



Return Loss (8-12.4 GHz)



Return Loss (12.4-15 GHz)

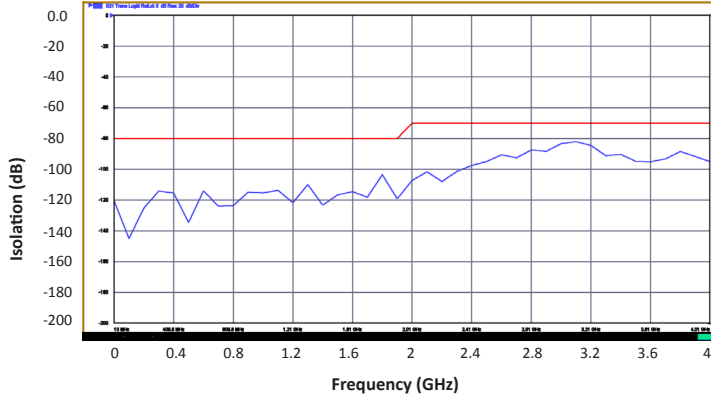


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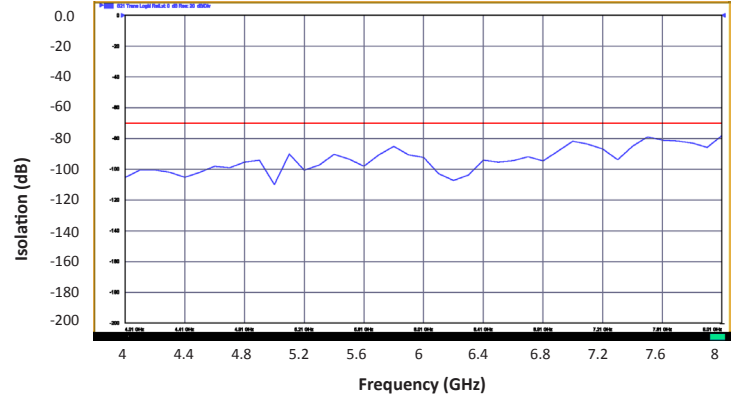
**DPDT - L2 Series**

**TYPICAL NARROWBAND ISOLATION PERFORMANCE CURVES**

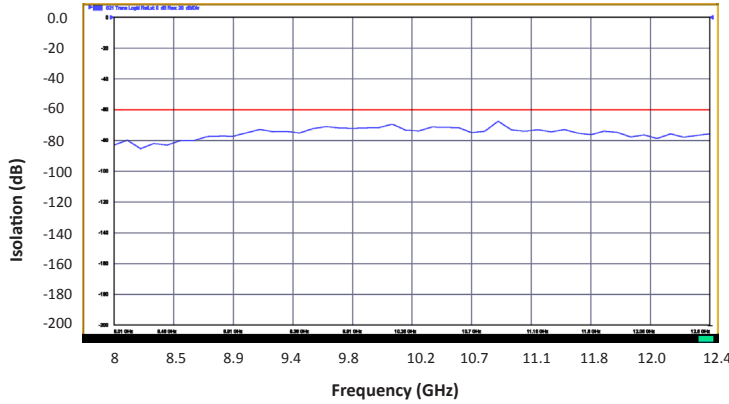
Isolation (DC-4 GHz)



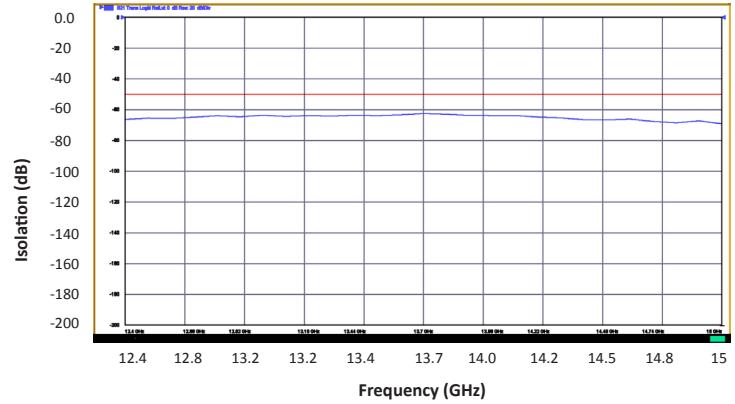
Isolation (4-8 GHz)



Isolation (8-12.4 GHz)



Isolation (12.4-15 GHz)



— TYPICAL  
 — MAXIMUM TEST LIMIT