

**TYPICAL CHARACTERISTICS  
ON  
8BP1750-500-3A-SFF**



**REPORTED BY: MATT L.**

**DATE: 4/10/25**

# TYPICAL CHARACTERISTICS ON 8BP1750-500-3A-SFF

## OUTLINE DRAWING

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/19/08	

**DESCRIPTION:**  
PMI MODEL: 8BP1750-500-3A-SFF IS A LC BANDPASS FILTER WITH SMA FEMALE CONNECTORS IN/ OUT.

**SPECIFICATIONS:**

- PASSBAND FREQUENCY:..... 1.5 TO 2 GHz
- BANDWIDTH (-3dB):..... 500 MHz MIN
- INSERTION LOSS @ 1.75 GHz:..... 1.5 dB MAX
- VSWR:..... 1.5:1 MAX
- REJECTION @ 950 MHz:..... 60 dBc MIN
- REJECTION @ 2300 MHz:..... 60 dBc MIN
- INPUT POWER:..... 1 W MAX
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

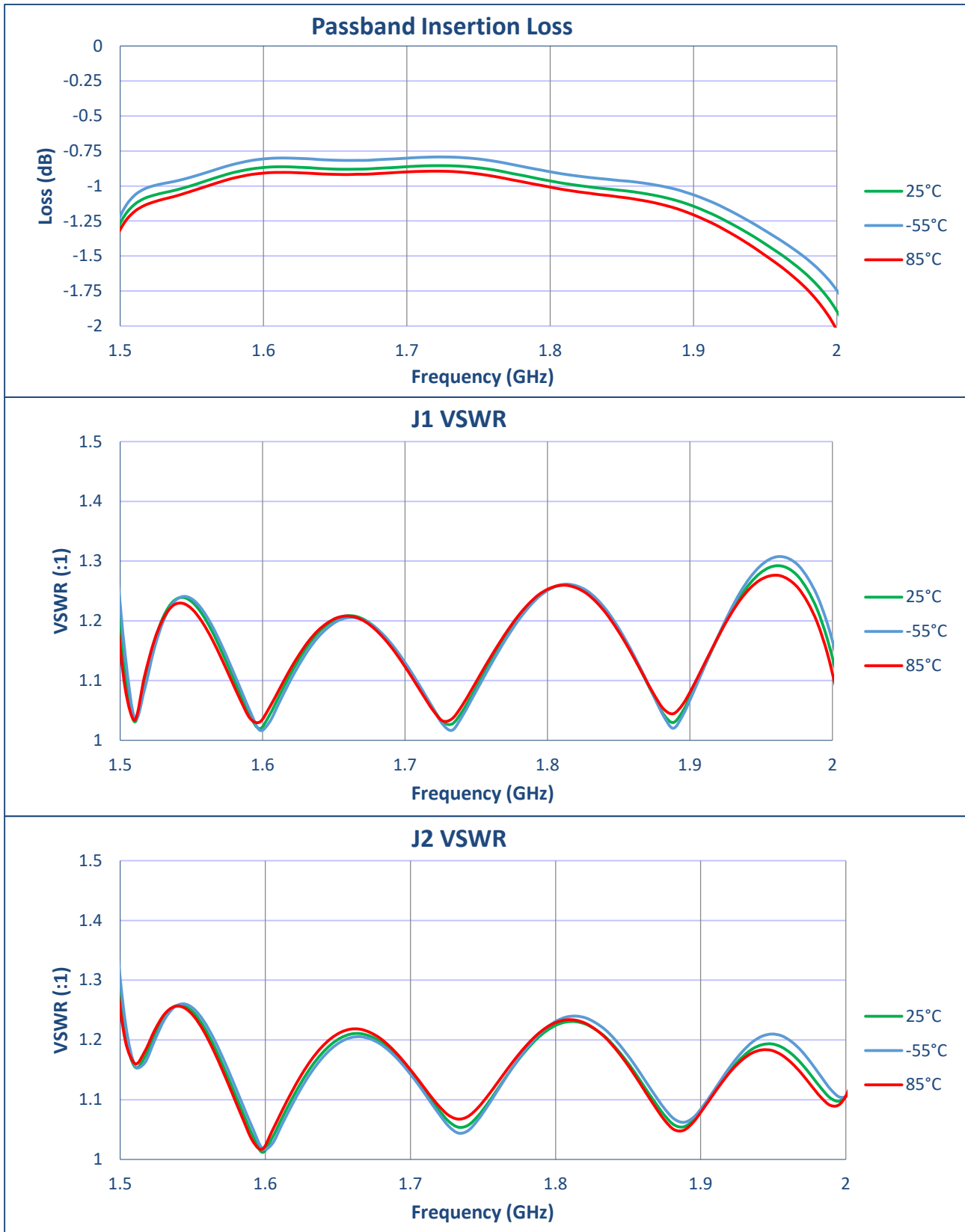
<b>Quantic PMI</b> PLANAR MONOLITHICS	
7309-A GROVE ROAD, FREDERICK, MD 21704 USA WWW.QUANTICPMI.COM	
APPROVALS: M LAULIS DATE: 10/19/08 REVISION:	TITLE: OUTLINE PART NO.: 8BP1750-500-3A-SFF FORM NO.: 05XQ0 DATE: 27050780 SCALE: 3:1

PMI CONFIDENTIAL AND PROPRIETARY

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TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			+25°C	-55°C	+85°C
1	Passband Frequency Range	1.5 GHz to 2 GHz	1.5 GHz to 2 GHz		
2	Bandwidth (-3dB)	500 MHz Min.	500 MHz	500 MHz	500 MHz
3	VSWR	1.5:1 Max.	1.29:1	1.31:1	1.28:1
4	Insertion Loss @ 1.75 GHz	1.5 dB Max.	0.87 dB	0.81 dB	0.92 dB
5	Rejection @ 950 MHz	60 dBc Min.	62.5 dBc	62.6 dBc	62.4 dBc
6	Rejection @ 2300 MHz	60 dBc Min.	83.7 dBc	83.5 dBc	84.2 dBc

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