



TYPICAL CHARACTERISTICS

ON

5CL5G-100-CD-SFF

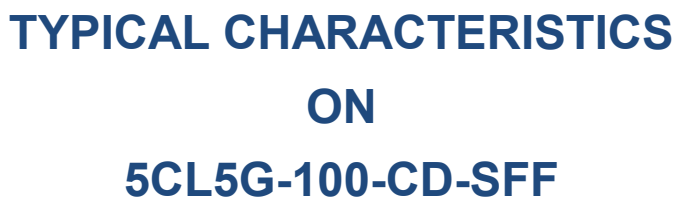
PMI MODEL 5CL5G-100-CD-SFF IS A BANDPASS FILTER WITH SMA FEMALE CONNECTORS IN/OUT. THIS UNIT OFFERS A HIGH Q AND LOW INSERTION LOSS.



DESIGNED BY: PMI ENGINEERING
TESTED BY: PMI
REPORTED BY: ERICK C.
DATE: 08/24/2026

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731

Email: sales@quanticpmi.com



DESCRIPTION:

ZONE	REV.	DESCRIPTION	DATE	APPROVE
	A1	ORIGINAL RELEASE	4/28/2026	

SPECIFICATIONS:

-
- 2 OZ. MAX
- 0.06 [1.5]
- 0.50 [12.7]
- 1.90 [48.3]
- 0.06 [1.5]
- PMI**
- PLANAR MINILITHICS
- MODEL NO: 5CLSG-100-CD-SFF
- SERIAL NO: PLXXXX/YYWW
- CAGE 05XQ0
- J1
- J2
- 0.50 [12.7]
- 0.25 [6.2]
- 4X 0-80 UNF ∇ THRU ALL

ENVIRONMENTAL RATINGS:

- | | |
|---------------------------|---------------------------------|
| • TEMPERATURE:..... | -55°C TO +85°C (OPERATING) |
| | -65°C TO +125°C (STORAGE) |
| • HUMIDITY:..... | MIL-STD-202, METHOD 103 COND. B |
| • SHOCK:..... | MIL-STD-202, METHOD 213 COND. B |
| • VIBRATION:..... | MIL-STD-202, METHOD 204 COND. B |
| • ALTITUDE:..... | MIL-STD-202, METHOD 105 COND. B |
| • FUNGUS:..... | MIL-STD-810, METHOD 508.2 |
| • TEMPERATURE CYCLE:..... | MIL-STD-202, METHOD 107 COND. A |

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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE TO CENTER TOLERANCES AND FINISHES ARE UNLESS NOTED OTHERWISE	APPROVALS ORAN E. Castillo REDRAWN	DATE 4/28/2010	 PMI PLASMA WELDING 10000 W. 100th Ave., Suite 100 Denver, CO 80231 TEL: 303.440.9400 FAX: 303.440.9401 www.pmi.com
	TITLE OUTLINE 5CL5G-100-CD-SFF		
	ISSUED	SIZE: FSCB NO. DWG NO. B 05XQO 27054760 SCALE 3:1	
	SHEET 1 OF 1		

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TECHNICAL SPECIFICATIONS

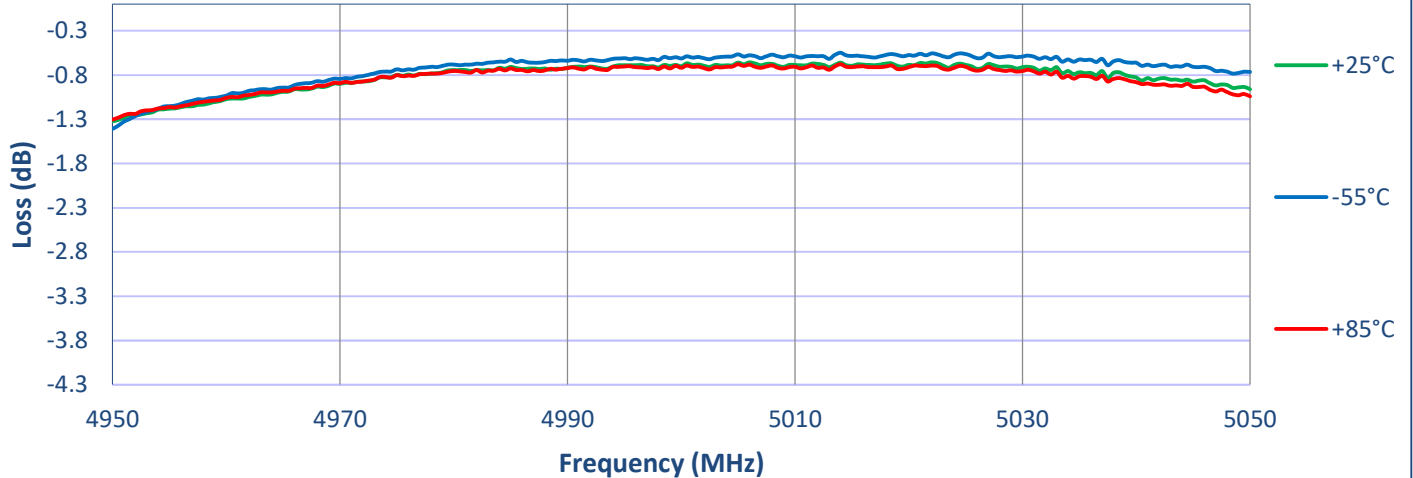
TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			+25 °C	-55 °C	+85 °C
1	Center Frequency	5 GHz	5 GHz	5 GHz	5 GHz
2	3 dB Bandwidth	0.1 GHz	0.1 GHz	0.1 GHz	0.1 GHz
3	Insertion Loss	4.2 dB Max.	1.32 dB	1.41 dB	1.3 dB
4	VSWR	1.5:1 Max.	1.27:1	1.29:1	1.24:1
5	Rejection	5 Pole Response	5 Pole Response		
6	Weight	2 OZ. Max.	1.55 OZ.		

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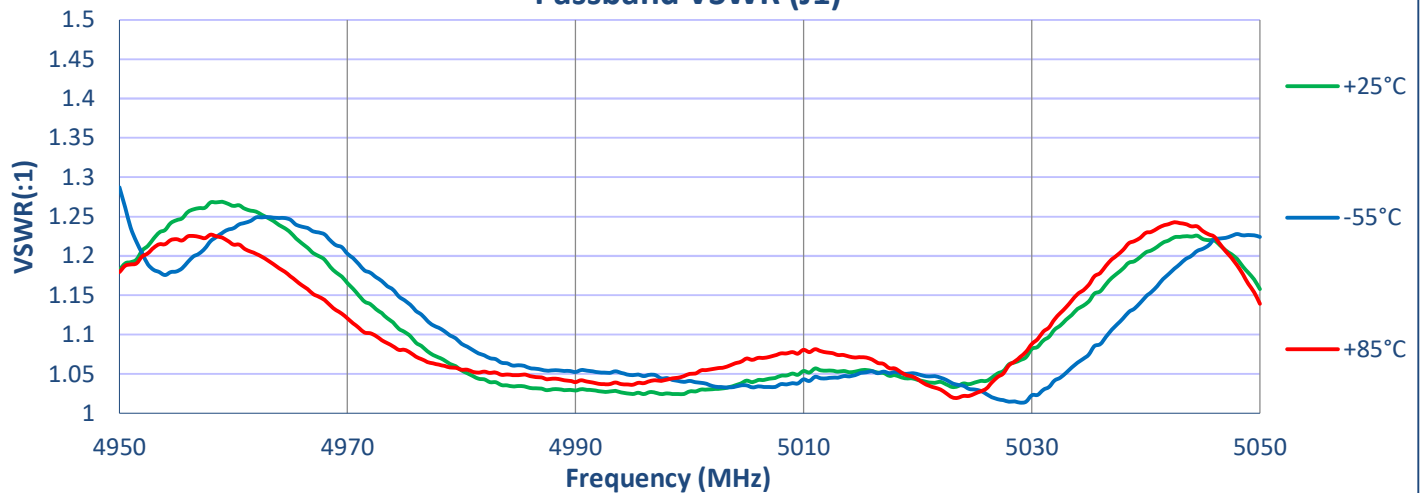
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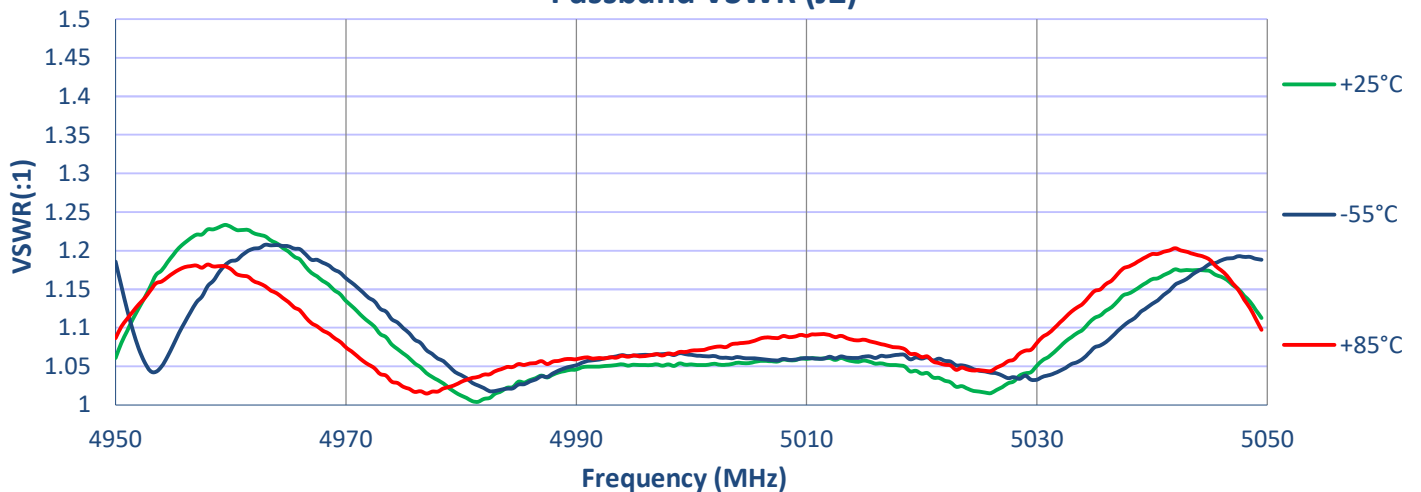
Passband Insertion Loss

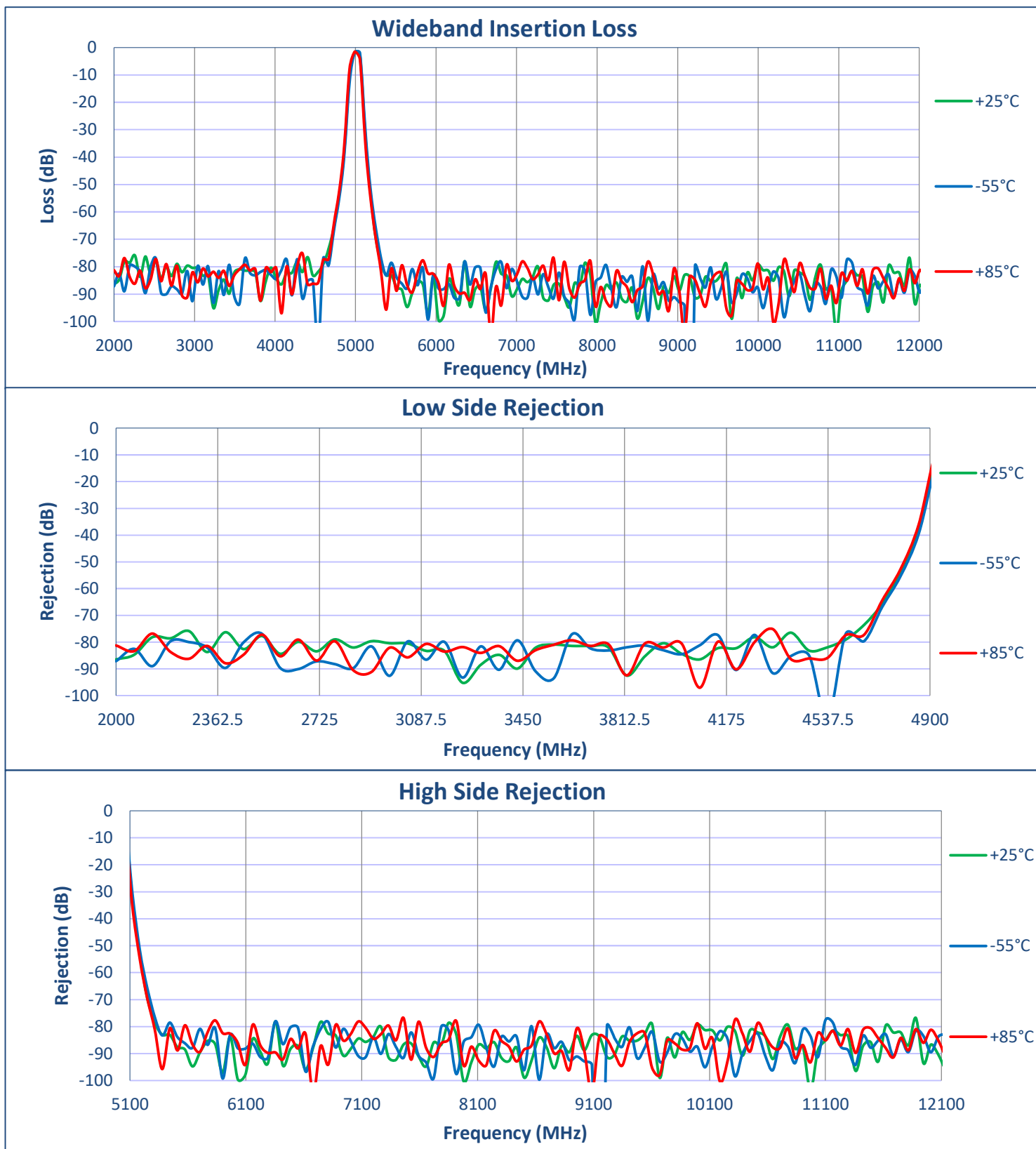


Passband VSWR (J1)



Passband VSWR (J2)





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