



TYPICAL CHARACTERISTICS ON PT-100M40G-26D5DB-292FF

PMI MODEL NUMBER PT-100M40G-26D5DB-292FF IS A BI-DIRECTIONAL 100 MHz TO 40 GHz 26.5 dB POWER TAP. IT PROVIDES EXCELLENT COUPLING FLATNESS AND VSWR. ITS PACKAGE SIZE IS 1.0" x 1.0" x 0.4" WITH 2.92 MM FEMALE CONNECTORS.

PICTURE



REPORTED BY: ANTON L.
TESTED BY: ANTON L.
DATE: 6/1/2026

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

Email: sales@pmi-rf.com



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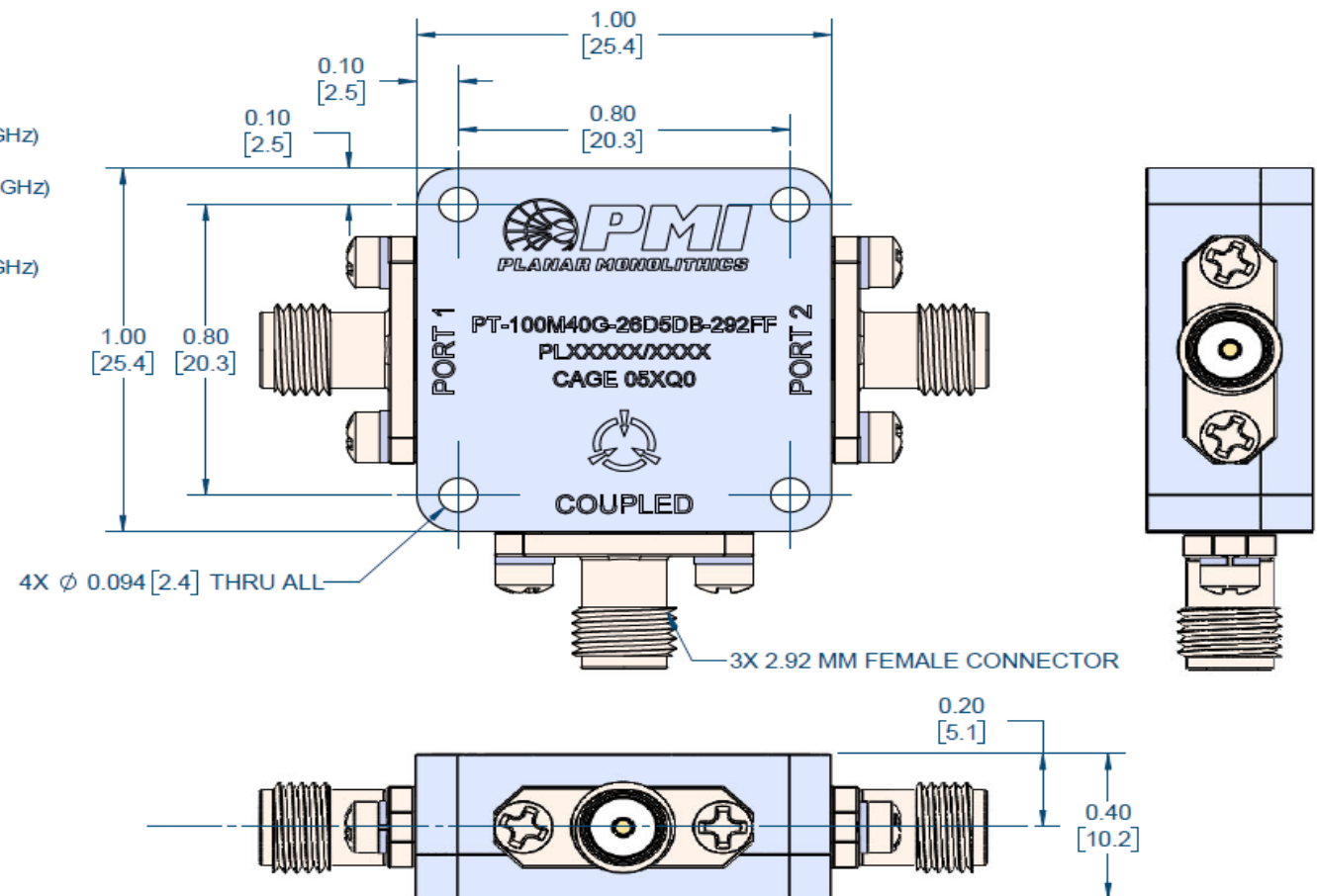
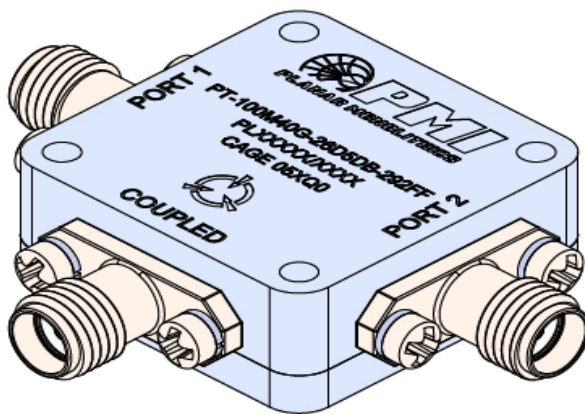
OUTLINE

DESCRIPTION:

PMI MODEL NUMBER PT-100M40G-26D5DB-292FF IS A BI-DIRECTIONAL 100 MHz TO 40 GHz 26.5 dB POWER TAP. IT PROVIDES EXCELLENT COUPLING FLATNESS AND VSWR. ITS PACKAGE SIZE IS 1.0" x 1.0" x 0.4" WITH 2.92 MM FEMALE CONNECTORS.

SPECIFICATIONS:

- FREQUENCY RANGE: 100 MHz TO 40 GHz
- TAP DIRECTIONALITY: BI-DIRECTIONAL
- MAINLINE LOSS: 4.0 dB MAX. (100 MHz - 20 GHz)
6.0 dB MAX. (20-40 GHz)
- COUPLING VALUE: 26.0 dB TYP. (100 MHz - 20 GHz)
27.0 dB TYP. (20-40 GHz)
- COUPLING ACCURACY: 5 dB MAX
- COUPLING FLATNESS: 4.0 dB MAX. (100 MHz - 20 GHz)
5.0 dB MAX. (20-40 GHz)
- COUPLING PHASE SHIFT: 90° MAX
- VSWR: 3.0:1 MAX. (MAINLINE)
2.0:1 MAX. (COUPLED)
- INPUT POWER: 27 dBm CW MAX
- FINISH: NICKEL PLATED



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
- 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

APPROVALS		DATE	TITLE	
DRAWN	ANTON L.	1/31/25	PT-100M40G-26D5DB-292FF	REV. A1
REDRAWN				
ISSUED				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES			SIZE	PCB NO.
			B	05XQ0
			SCALE 3:1	DWG NO. 27054460
				SHEET 1 OF 1



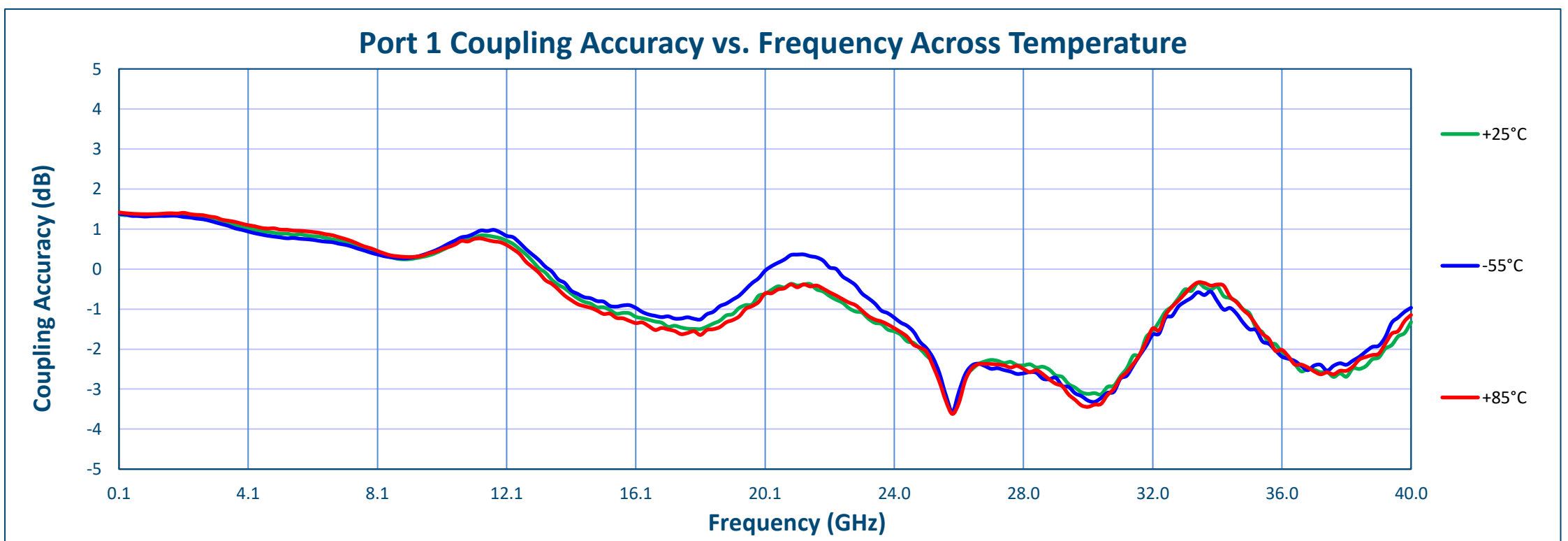
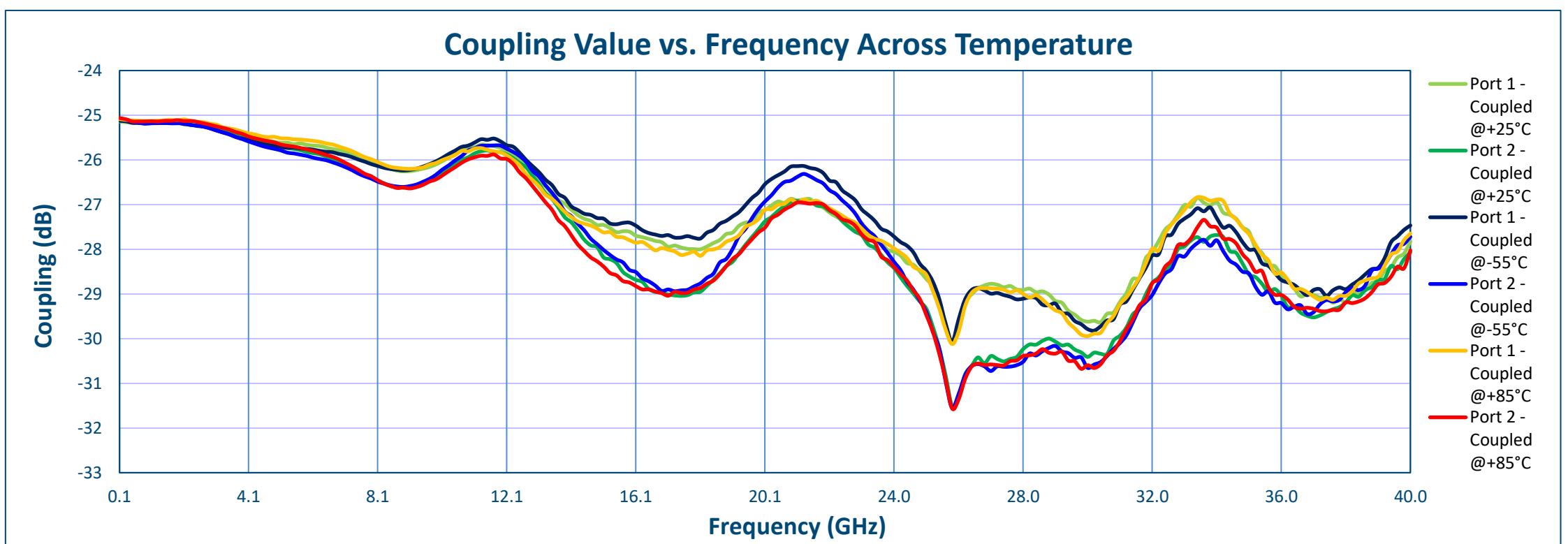
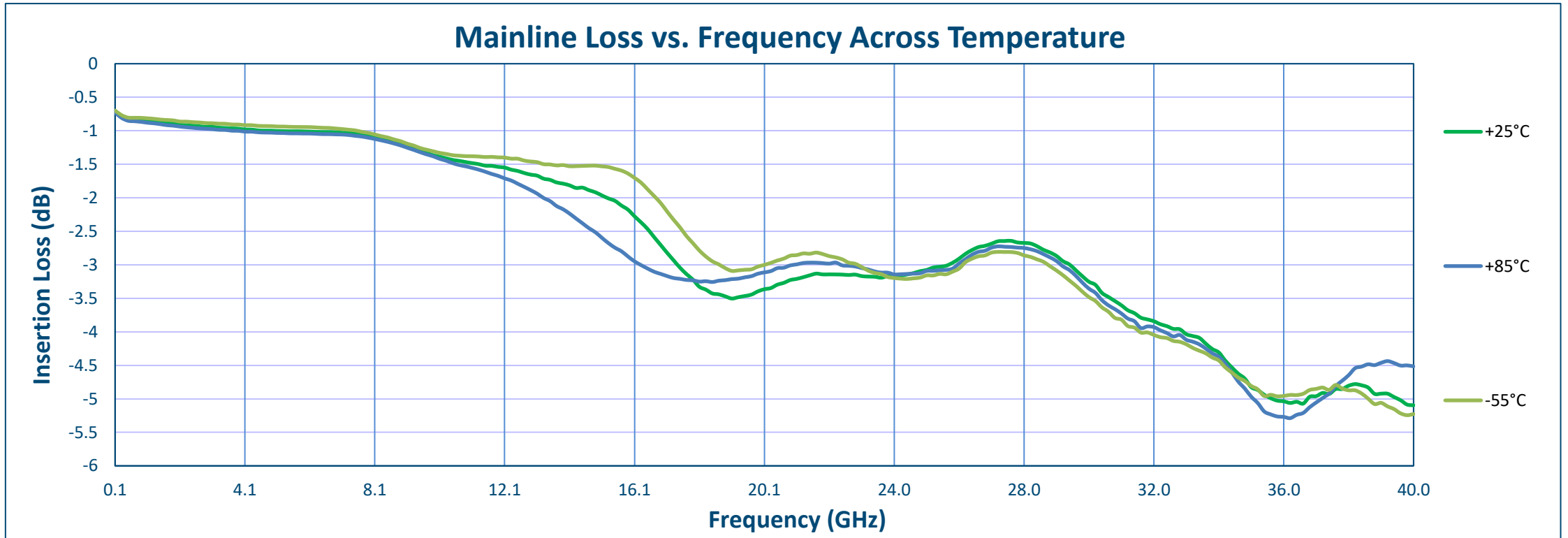
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SPECIFICATIONS

Test Item No.	Parameters	Specified Value	Measured Value		
			-55°C	+25°C	+85°C
1	Frequency Range:	100 MHz TO 40 GHz	100 MHz TO 40 GHz		
2	Tap Directionality:	Bidirectional	Bidirectional		
3	Mainline Loss:	4.0 dB MAX. (100 MHz - 20 GHz) 6.0 dB MAX. (20-40 GHz)	3.1 dB (0.1 TO 20 GHz) 5.2 dB (20 TO 40 GHz)	3.5 dB (0.1 TO 20 GHz) 5.1 dB (20 TO 40 GHz)	3.3 dB (0.1 TO 20 GHz) 5.3 dB (20 TO 40 GHz)
4	Coupling Value:	25.5 dB TYP. (100 MHz - 20 GHz) 27.0 dB TYP. (20-40 GHz)	26.2 dB (0.1 TO 20 GHz) 28.2 dB (20 TO 40 GHz)	26.3 dB (0.1 TO 20 GHz) 28.3 dB (20 TO 40 GHz)	26.3 dB (0.1 TO 20 GHz) 28.3 dB (20 TO 40 GHz)
5	Coupling Accuracy:	5 dB MAX.	3.57 dB	3.61 dB	3.62 dB
6	Coupling Flatness:	4.0 dB MAX. (100 MHz - 20 GHz) 5.0 dB MAX. (20-40 GHz)	2.6 dB (0.1 TO 20 GHz) 3.9 dB (20 TO 20 GHz)	2.9 dB (0.1 TO 20 GHz) 3.3 dB (20 TO 40 GHz)	3.1 dB (0.1 TO 20 GHz) 3.3 dB (20 TO 40 GHz)
7	Coupling Phase Shift:	90° MAX.	54.7°	57.4°	58.3°
8	VSWR:	3.0:1 MAX. (Mainline) 2.0:1 MAX. (Coupled Port)	2.36:1 (Port 1) 2.32:1 (Port 2) 1.69:1 (Coupled Port)	2.38:1 (Port 1) 2.41:1 (Port 2) 1.72:1 (Coupled Port)	2.68:1 (Port 1) 2.75:1 (Port 2) 1.71:1 (Coupled Port)



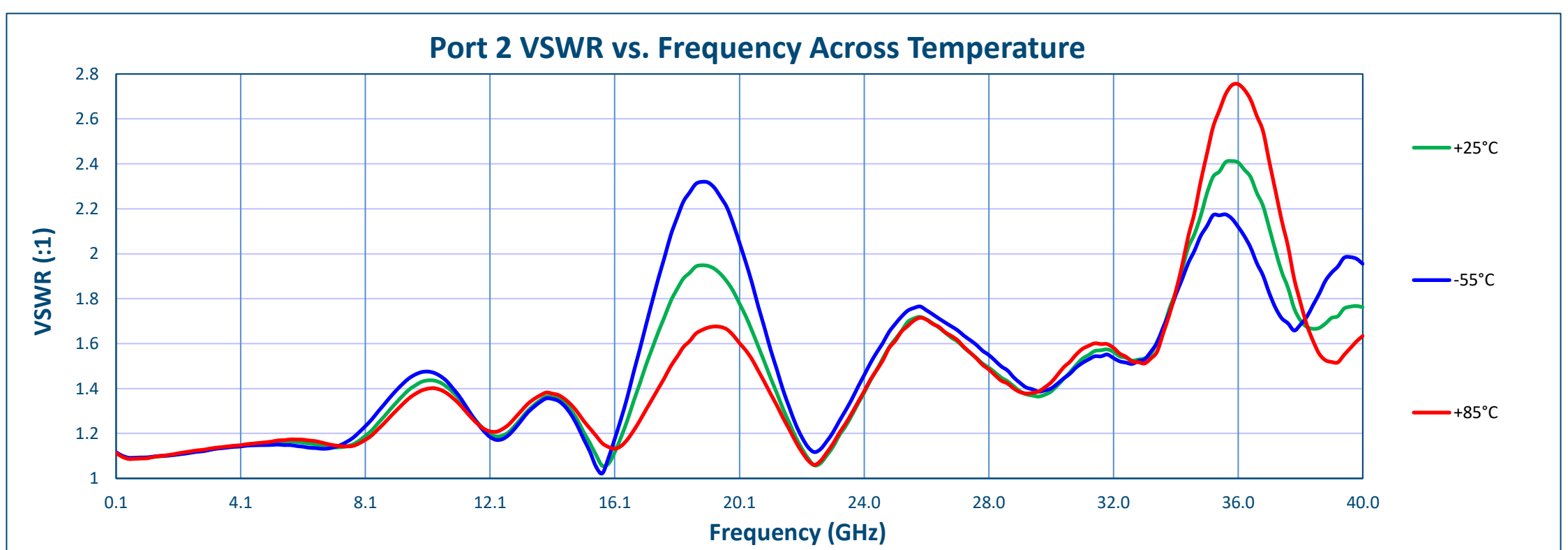
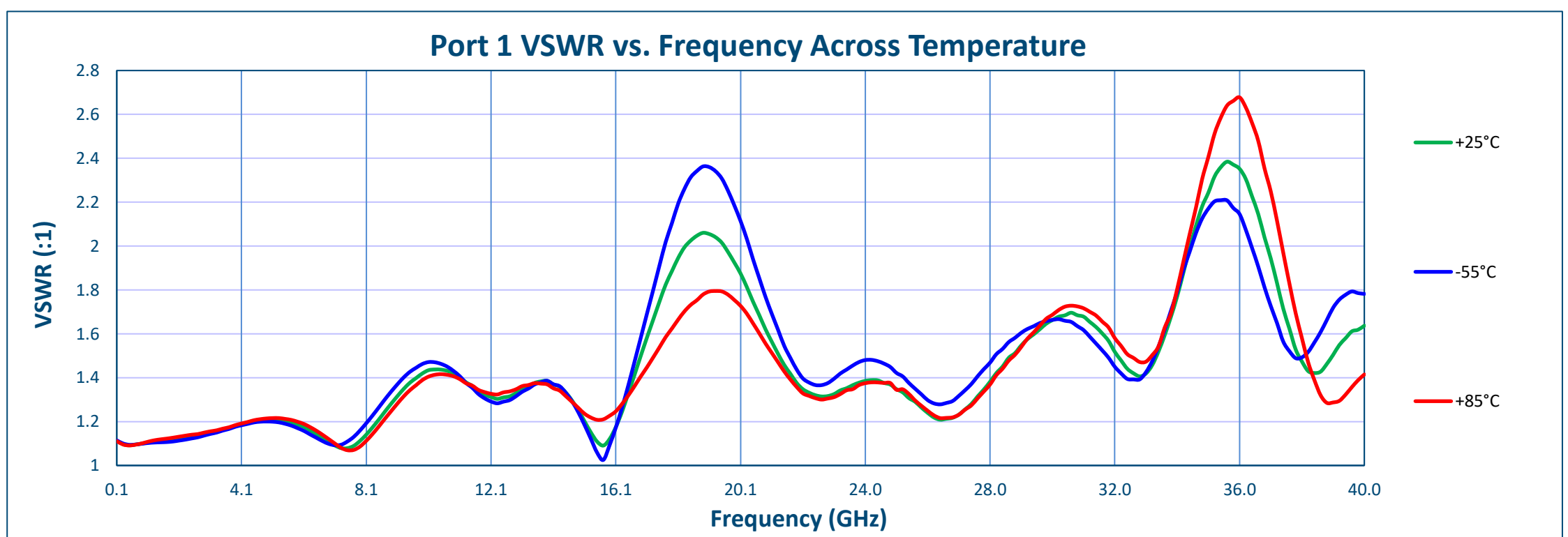
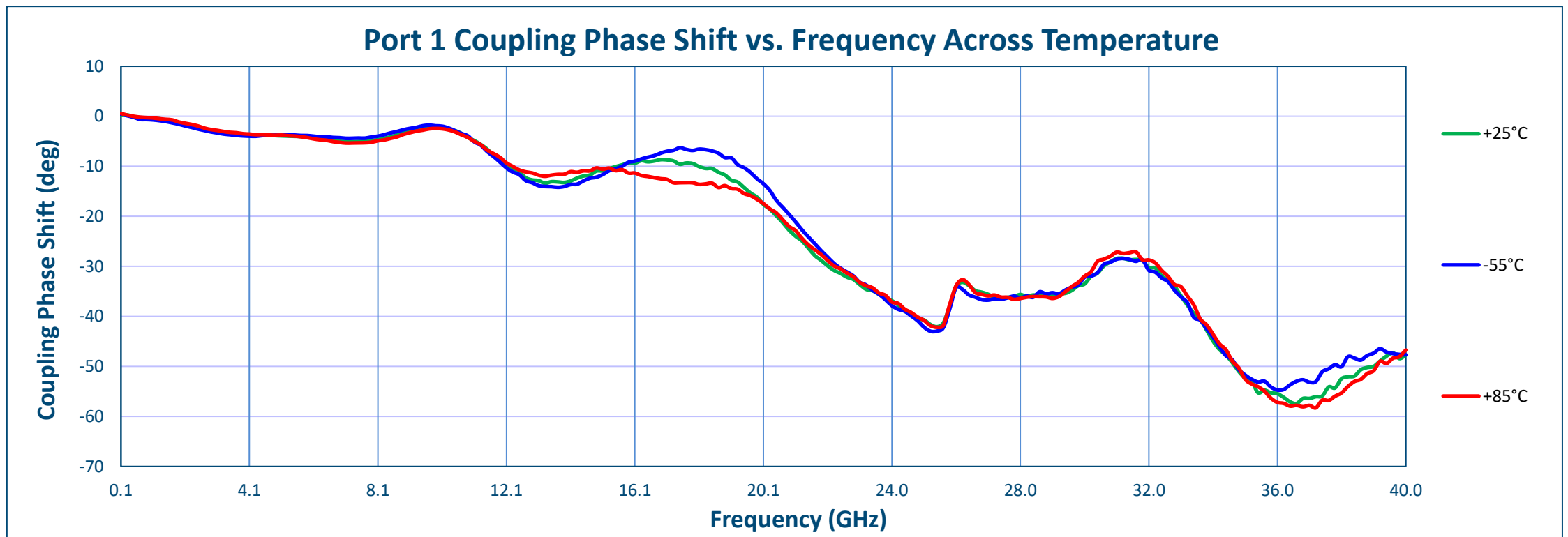
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