



**TYPICAL CHARACTERISTICS  
ON  
8CL3D55G-300-CD-SFF**

**PMI model number 8CL3D55G-300-CD-SFF is a Cavity filter with SMA female field replaceable connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.**



**February 25, 2014**

**Designed, Tested & Reported By:**

**Sebastian Palacio**



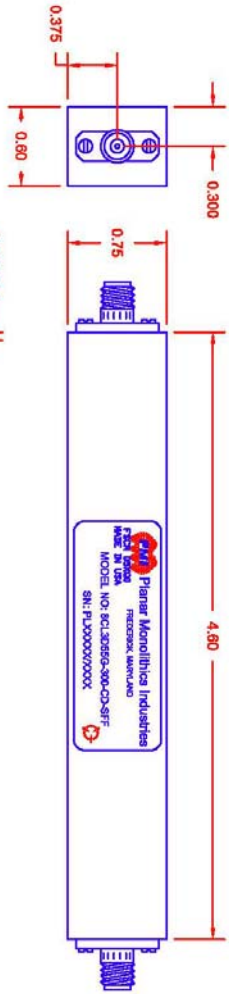
# TYPICAL CHARACTERISTICS ON 8CL3D55G-300-CD-SFF

### DESCRIPTION:

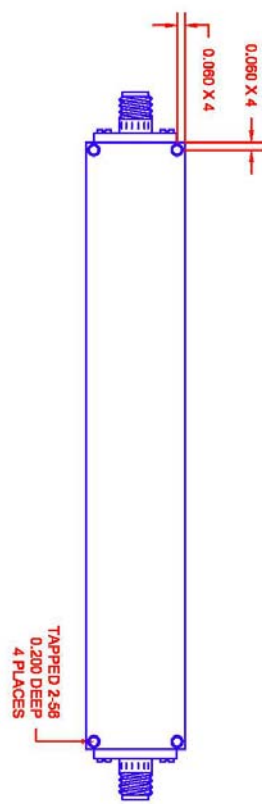
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### SPECIFICATIONS:

- CENTER FREQUENCY: . . . . . 3.55 GHz
- 1dB PASSBAND BANDWIDTH: . . . . . 300 MHz
- VSWR IN THE PASS BAND: . . . . . 1.5:1 MAX.
- INSERTION LOSS (PASSBAND) . . . . . 1.5dB
- REJECTION AT 3.2 GHz . . . . . 55dB
- REJECTION AT 4.0 GHz . . . . . 80dB
- DELTA IL BETWEEN 3.4 & F0 . . . . . 0.5dB GOAL



- CONNECTORS: . . . . . SMA FEMALE CONNECTORS  
FIELD REPLACEABLE
- SIZE . . . . . 4.80" (L) x 0.75" (W) x 0.80" (H)
- WEIGHT . . . . . 3 OZ. TYP.



### ENVIRONMENTAL RATINGS:

- TEMPERATURE: . . . . . 0°C TO +85°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY: . . . . . MIL-STD-202F, METHOD 103B COND. B
- SHOCK: . . . . . MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: . . . . . MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: . . . . . MIL-STD-202F, METHOD 105C COND. B
- SALT FOG: . . . . . MIL-STD-202F, METHOD 107D COND. A
- FUNGUS: . . . . . MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE: . . . . . MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS		DATE	APPROVED
ZONE	REV.		
	A1	9/4/09	
	A2	11/30/18	

DESCRIPTION  
ORIGINAL RELEASE  
ECN # 13-0212

PMI NO.	APPROVALS	DATE	TITLE	SIZE	FORM NO.	DWG NO.	REV.
399424850		9/4/09	OUTLINE DRAWING 8CL3D55G-300-CD-SFF	A	05X00	27011721	A2
				SCALE	N/A		SHEET 1 OF 1

**PMI CONFIDENTIAL AND PROPRIETARY**

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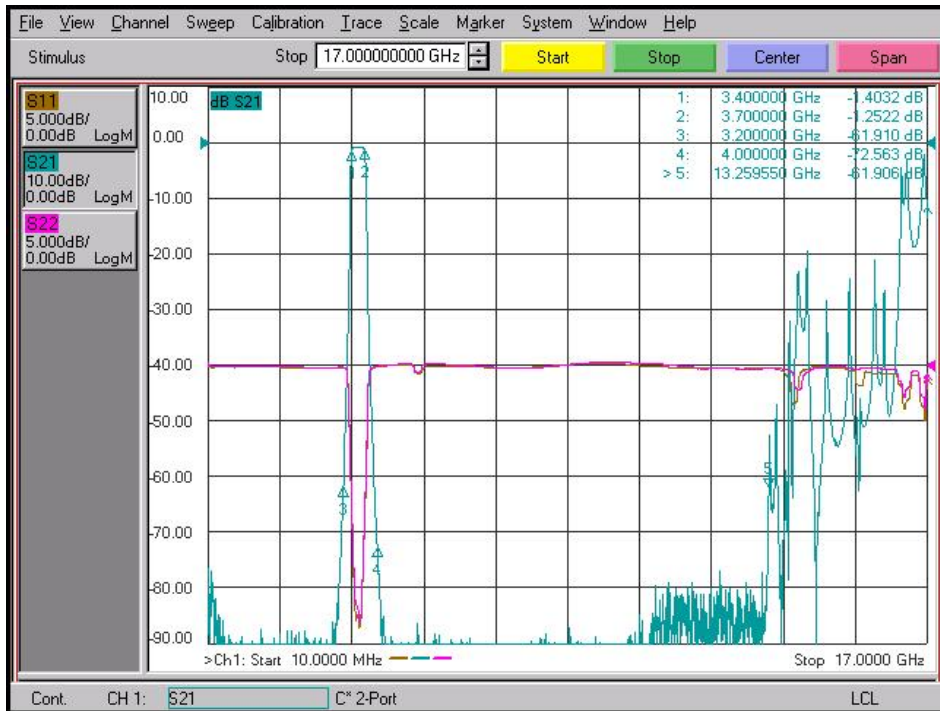
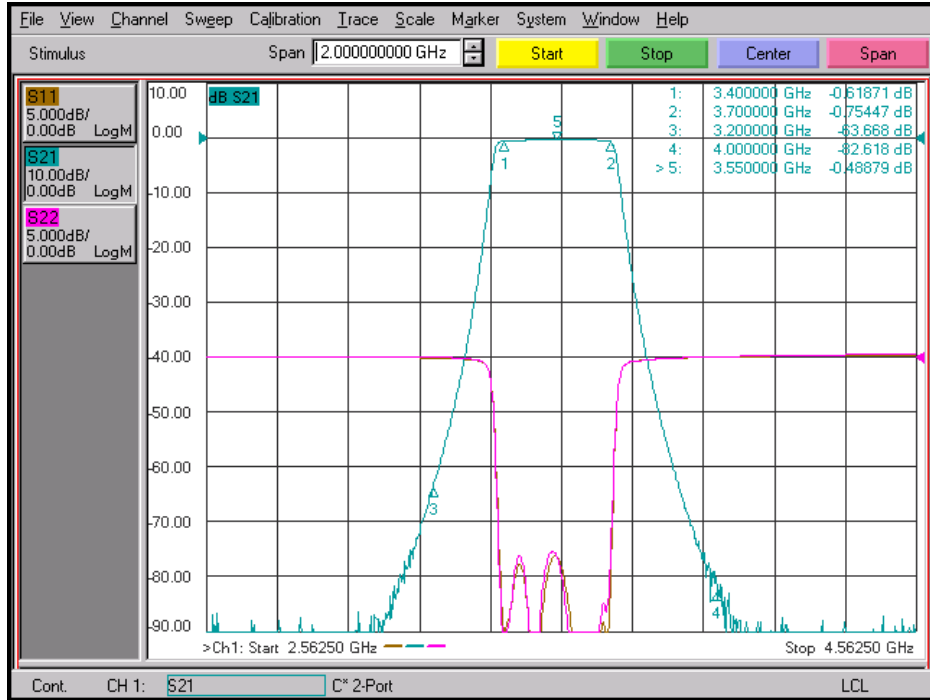
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<b>TEST. ITEM NO</b>	<b>PARAMETERS</b>	<b>SPECIFIED VALUE</b>	<b>TEST RESULTS</b>	<b>QA QC</b>
1	Pass band Frequency Range:	3400 MHz –3700 MHz	<b>3400 MHz –3700 MHz See Plots</b>	
2	1dB Pass-band Bandwidth:	300 MHz	<b>300 MHz See Plots</b>	
3	Passband Insertion Loss:	1.5dB Max	<b>0.8dB See Plots</b>	
4	Rejection	55dB @ 3200MHz	<b>63.66dB @ 3200 MHz See Plots</b>	
5	Rejection	60dB @ 4000 MHz	<b>83.61dB @ 4000 MHz See Plots</b>	
6	Pass band VSWR	1.5:1 Max	<b>1.25:1 See Plots</b>	
7	Delta IL Between 3400 MHz & Fo.	0.5dB Max.	<b>0.13dB See Plots</b>	



**TYPICAL CHARACTERISTICS  
ON  
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**Insertion Loss, Return Loss, Bandwidth,  
Rejections & Broad-Band performance**



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