



## TYPICAL CHARACTERISTICS ON 7CL7D86G-960-CD-SFF

**PMI model number 7CL7D86G-960-CD-SFF is a Combine filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.**

<b>DESCRIPTION:</b>	REVISIONS																																
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	A		ORIGINAL RELEASE	11/18/08																													
<b>SPECIFICATIONS:</b>																																	
<ul style="list-style-type: none"> <li>• CENTER FREQUENCY: ..... 7860 MHz Nom.</li> <li>• 3dB BANDWIDTH: ..... 960 MHz Min.</li> <li>• VSWR IN THE PASS BAND: ..... 1.5:1 MAX.</li> <li>• INSERTION LOSS (PASSBAND) : ..... 5 dB MAX.</li> <li>• REJECTION 70 dB: ..... DC - 6000 MHz</li> <li>• REJECTION 70 dB: ..... 10140 MHz</li> <li>• REJECTION 70 dB: ..... 11940 MHz</li> <li>• REJECTION 50 dB: ..... 6540 MHz</li> <li>• REJECTION 50 dB: ..... 12500 - 16000 MHz</li> </ul>																																	
<ul style="list-style-type: none"> <li>• CONNECTORS: ..... SMA FEMALE CONNECTORS</li> <li>• SIZE ..... 2.15" (L) x 0.500" (W) x 0.500" (H)</li> <li>• WEIGHT ..... 1 OZ. TYP.</li> </ul>																																	
<b>ENVIRONMENTAL RATINGS:</b>																																	
<ul style="list-style-type: none"> <li>• TEMPERATURE: ..... -55°C TO +85°C (OPERATING) ..... -65°C TO +125°C (STORAGE)</li> <li>• HUMIDITY: ..... MIL-STD-202F, METHOD 103B COND. B</li> <li>• SHOCK: ..... MIL-STD-202F, METHOD 213B COND. B</li> <li>• VIBRATION: ..... MIL-STD-202F, METHOD 204D COND. B</li> <li>• ALTITUDE: ..... MIL-STD-202F, METHOD 105C COND. B</li> <li>• SALT FOG: ..... MIL-STD-202F, METHOD 107D COND. A</li> <li>• FUNGUS: ..... MIL-STD-810C, METHOD 508.2</li> <li>• TEMPERATURE CYCLE: ..... MIL-STD-202F, METHOD 107</li> </ul>																																	
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION	<b>CONFIDENTIAL AND PROPRIETARY</b>																																
ALL DIMENSIONS ARE IN INCHES TOLERANCES: X.XXX ±0.010 X.XXX ±0.005	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="padding: 2px;">PART NO.</td> <td colspan="2" style="text-align: center; padding: 2px;"> PLANAR MONOLITHICS INDUSTRIES 5715 INDUSTRY LANE UNIT 11 FREDERICK, MARYLAND</td> </tr> <tr> <td style="padding: 2px;">APPROVALS</td> <td style="padding: 2px;">DATE</td> <td colspan="2" style="padding: 2px;">TITLE</td> </tr> <tr> <td style="padding: 2px;">S. PALACIO</td> <td style="padding: 2px;">11/18/08</td> <td colspan="2" style="padding: 2px;">PRODUCT FEATURE 7CL7D86G-960-CD-SFF</td> </tr> <tr> <td style="padding: 2px;">CHECKED</td> <td></td> <td style="padding: 2px;">SIZE FROM NO.</td> <td style="padding: 2px;">DWG NO.</td> </tr> <tr> <td style="padding: 2px;">DRAWN</td> <td></td> <td style="padding: 2px;">A 1QJWO</td> <td style="padding: 2px;">27009902</td> </tr> <tr> <td style="padding: 2px;">SOLD</td> <td></td> <td style="padding: 2px;">SCALE N/S</td> <td style="padding: 2px;">SHEET 1 of 1</td> </tr> <tr> <td style="padding: 2px;">REV.</td> <td></td> <td style="padding: 2px;">A</td> <td style="padding: 2px;">A</td> </tr> </table>					PART NO.		PLANAR MONOLITHICS INDUSTRIES 5715 INDUSTRY LANE UNIT 11 FREDERICK, MARYLAND		APPROVALS	DATE	TITLE		S. PALACIO	11/18/08	PRODUCT FEATURE 7CL7D86G-960-CD-SFF		CHECKED		SIZE FROM NO.	DWG NO.	DRAWN		A 1QJWO	27009902	SOLD		SCALE N/S	SHEET 1 of 1	REV.		A	A
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**August 21, 2014**

**Designed, Tested & Reported By:  
Sebastian Palacio**



**TYPICAL CHARACTERISTICS  
ON  
7CL7D86G-960-CD-SFF**

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA/QC
1	Center Frequency	7860 MHz Nom.	7860 MHz Nom. See Plot	
2	3 dB Pass band Bandwidth:	960 MHz Min.	960MHz See Plot	
3	Pass band VSWR	1.5:1 Max	1.23:1 See Plot	
4	Passband Insertion Loss:	5 dB Max	0.45dB See Plot	
5	Loss Ripple (peak-to-peak):	0.5 dB Max	0.1dB See Plot	
6	Rejection 70 dB:	DC – 6000MHz 14140 MHz 11940 MHz	85.55dB Min. See Plot	
7	Rejection 50 dB:	12500 – 16000 MHz 6540 MHz	62.48dB Min. See Plot	
8	Input Power:	+30 dBm Max	+30dBm	
9	Impedance (Source Load)	50 ohms Nom.	Pass	



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## S-PARAMETERS

