



TYPICAL CHARACTERISTICS ON 7CL9D66G-960-CD-SFF

PMI model number 7CL9D66G-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

DESCRIPTION:		REVISIONS																																
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		A		ORIGINAL RELEASE	11/18/08																													
SPECIFICATIONS:																																		
• CENTER FREQUENCY:	9660 MHz Nom.																																	
• 3dB BANDWIDTH:	960 MHz Min.																																	
• VSWR IN THE PASS BAND:	1.5:1 MAX.																																	
• INSERTION LOSS (PASSBAND):	5 dB MAX.																																	
• REJECTION -70 dB:	DC - 7800 MHz																																	
• REJECTION -70 dB:	11940 MHz																																	
• REJECTION -70 dB:	13750 MHz																																	
• REJECTION -50 dB:	8350 MHz																																	
• REJECTION -50 dB:	14500 - 17000 MHz																																	
• CONNECTORS:	SMA FEMALE CONNECTORS																																	
• SIZE:	2.15" (L) x 0.500" (W) x 0.500" (H)																																	
• WEIGHT:	1 OZ. TYP.																																	
ENVIRONMENTAL RATINGS:		CONFIDENTIAL AND PROPRIETARY																																
• TEMPERATURE:	-55°C TO +85°C (OPERATING) -65°C TO +125°C (STORAGE)	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <td colspan="2">PART NO.</td> <td colspan="2" style="text-align: center;"> PLANAR MONOLITHICS INDUSTRIES 5718 INDUSTRY LANE SUIT 11 FREDERICK, MARYLAND</td> </tr> <tr> <td>APPROVALS</td> <td>DATE</td> <td colspan="2">TITLE</td> </tr> <tr> <td>DRAWN <i>S. Palacios</i></td> <td>11/18/08</td> <td colspan="2">PRODUCT FEATURE 7CL9D66G-960-CD-SFF</td> </tr> <tr> <td>CHECKED</td> <td></td> <td colspan="2"></td> </tr> <tr> <td>SIGNED</td> <td>SIZE FROM NO.</td> <td>DWG NO.</td> <td>REV.</td> </tr> <tr> <td></td> <td>A 05XQ0</td> <td>27009803</td> <td>A</td> </tr> <tr> <td></td> <td>SCALE N/S</td> <td colspan="2">SHEET 1 of 1</td> </tr> </table>					PART NO.		PLANAR MONOLITHICS INDUSTRIES 5718 INDUSTRY LANE SUIT 11 FREDERICK, MARYLAND		APPROVALS	DATE	TITLE		DRAWN <i>S. Palacios</i>	11/18/08	PRODUCT FEATURE 7CL9D66G-960-CD-SFF		CHECKED				SIGNED	SIZE FROM NO.	DWG NO.	REV.		A 05XQ0	27009803	A		SCALE N/S	SHEET 1 of 1	
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• 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		ALL DIMENSIONS ARE IN INCHES TOLERANCES: 3.2X ±0.010 X.XXX ±0.005																																

August 21, 2014

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



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ON
7CL9D66G-960-CD-SFF**

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA/QC
1	Center Frequency	9660 MHz Nom.	9660 MHz Nom. See Plot	
2	3 dB Pass band Bandwidth:	960 MHz Min.	960MHz See Plot	
3	Pass band VSWR	1.5:1 Max	1.30:1 See Plot	
4	Passband Insertion Loss:	5 dB Max	0.51dB See Plot	
5	Loss Ripple (peak-to-peak):	0.5 dB Max	0.1dB See Plot	
6	Rejection 70 dB:	DC – 7800MHz 11940 MHz 13750 MHz	95.37dB Min. See Plot	
7	Rejection 50 dB:	14500 – 17000 MHz 8350 MHz	70.64dB Min. See Plot	
8	Input Power:	+30 dBm Max	+30 dBm See Plot	
9	Impedance (Source Load)	50 ohms Nom.	Pass	



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S-PARAMETERS

