



**TYPICAL CHARACTERISTICS
ON
BP1G18G-CD-SFF**

**PMI MODEL NUMBER BP-1G18G-CD-SFF IS A BANDPASS
FILTER WITH SMA FEMALE CONNECTORS IN AND OUT.**



March 15, 2017

Designed By: Sebastian Palacio

Tested & Reported By:
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TYPICAL CHARACTERISTICS ON BP1G18G-CD-SFF

DESCRIPTION:

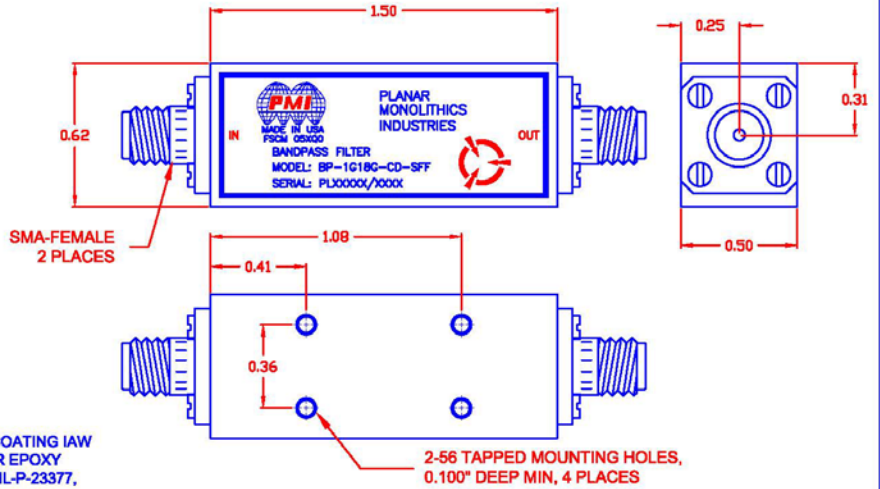
PMI MODEL NUMBER BP1G18G-CD-SFF IS A BANDPASS FILTER WITH SMA-FEMALE CONNECTORS IN AND OUT.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	1/28/2017	
	A1	ECN # 17-0046	8/11/2017	

SPECIFICATIONS:

- PASS-BAND: _____ 1 TO 18 GHz
- INSERTION LOSS: _____ 2.0 dB Max
- VSWR: _____ 2.0:1 Max
- REJECTION: _____ DC to 100 MHz: 50dB Min
21 to 28 GHz: 40dB Min

- CONNECTORS: _____ SMA-FEMALE IN/OUT
- SIZE: _____ 1.5 X 0.62 X 0.5
- FINISH: _____ BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS:

- TEMPERATURE: _____ -55°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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
XXX ±0.020
X.XXX ±0.010

PLANAR MONOLITHICS INDUSTRIES, INC.
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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRWR	<i>JPU</i>	1/28/2017	OUTLINE DRAWING BP-1G18G-CD-SFF		
CHECKED			SIZE	FROM NO.	DWG NO.
ISSUED			A	05XQ0	27031481
			SCALE	N:S	SHEET 1 OF 1

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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**TYPICAL CHARACTERISTICS
ON
BP1G18G-CD-SFF**

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Pass-Band:	1 TO 18 GHz	1 TO 18 GHz See Plots	
2	Insertion Loss	2.0 dB	1.54 See Plots	
3	VSWR	2.0:1 Max	1.78:1 See Plots	
4	Rejection	DC to 100 MHz: 50dB Min 21 to 28 GHz: 40dB Min	Pass – See Plots	



**TYPICAL CHARACTERISTICS
ON
BP1G18G-CD-SFF**

INSERTION LOSS AND RETURN LOSS FROM 100MHz TO 20 GHz





**TYPICAL CHARACTERISTICS
ON
BP1G18G-CD-SFF**

**BROADBAND PERFORMANCE
FROM 10MHz TO 40 GHz**

Insertion Loss, Return Loss and Group Delay

