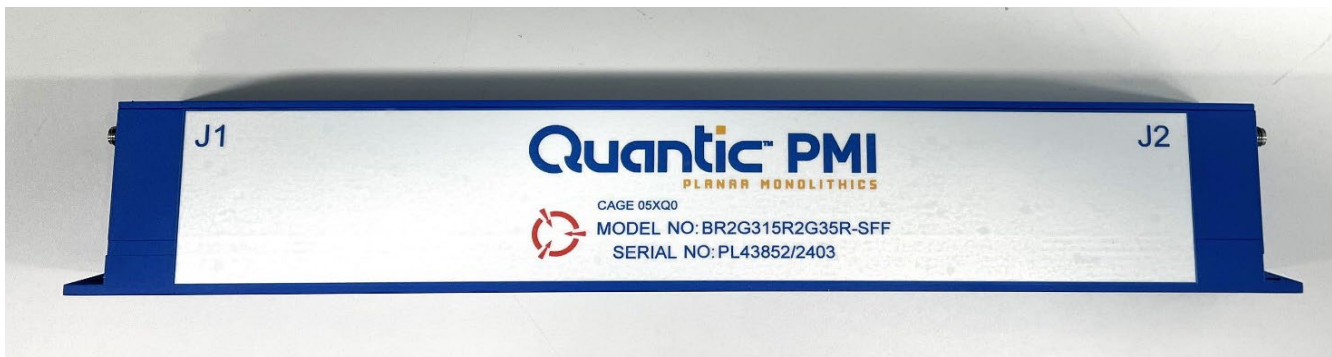


PMI MODEL NO. BR2G315R2G35R-SFF IS A NOTCH FILTER. THE PASSBAND VSWR IS 1.8:1 MAXIMUM AND THIS UNIT IS OUTFITTED WITH SMA FEMALE CONNECTORS.



**Reported By
Matthew Laulis
1/19/2024**

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Email: sales@quanticpmi.com

**TYPICAL CHARACTERISTICS
ON
BR2G315R2G35R-SFF
PRODUCT FEATURE**

DESCRIPTION

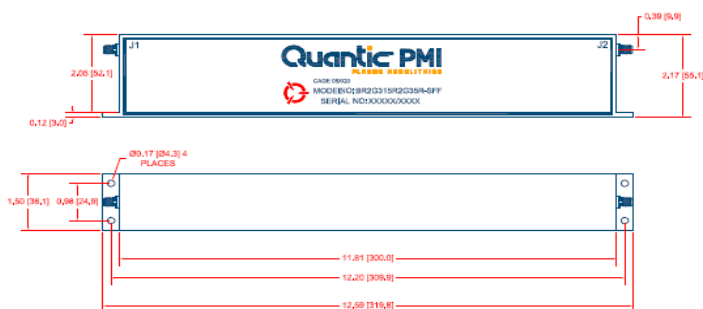
PMI MODEL NO. BR2G315R2G35R-SFF IS A NOTCH FILTER. THE PASSBAND VSWR IS 1.8:1 MAXIMUM AND THIS UNIT IS OUTFITTED WITH SMA FEMALE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/15/2019	

MECHANICAL OUTLINE

SPECIFICATIONS

- STOP BAND FREQUENCY: 2.315 to 2.35 GHz
- STOP BAND ATTENUATION: 45 dB MIN
- PASS BAND FREQUENCY: DC to 2.3 GHz & 2.365 to 6.0 GHz
- PASS BAND INSERTION LOSS: 3.0 dB MAX
- PASS BAND VSWR: 1.8:1 MAX
- INPUT POWER: 1 WATT MAX
- IMPEDANCE: 50 OHMS
- CONNECTORS: SMA FEMALE
- FINISH: PAINTED BLUE



ENVIRONMENTAL RATINGS

- TEMPERATURE: -30 °C TO +70 °C (OPERATING)
-50 °C TO +90 °C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS
ARE IN INCHES (mm)
TOLERANCES
X.XXX ±0.000
X.XXX ±0.010

PMI CONFIDENTIAL AND PROPRIETARY

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Quantic™ PMI
PLANAR MONOLITHICS

APPROVALS		DATE		TITLE	
DRAWN	MDL		11/15/19	PRODUCT FEATURE BR2G315R2G35R-SFF	
REDRAWN				REV. A	REV. A1
ISSUED				SCALE N/S	1 OF 1

**TYPICAL CHARACTERISTICS
ON
BR2G315R2G35R-SFF**

TEST DATA

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			25°C	-30°C	70°C
1	Stopband	2.315 GHz to 2.35 GHz	2.315 GHz to 2.35 GHz	2.315 GHz to 2.35 GHz	2.315 GHz to 2.35 GHz
2	Stopband Attenuation	45 dB Min.	58.9 dB	60.18 dB	50.07 dB
3	Pass Band Insertion Loss	3 dB Max., DC to 2.3 GHz	1.13 dB	1.1 dB	1.45 dB
4	Pass Band Insertion Loss	3 dB Max., 2.365 to 6 GHz	0.82 dB	0.76 dB	1.17 dB
5	VSWR	1.8:1 Max.	1.58:1	1.6:1	1.63:1
6	Input Power	1 Watt CW Max	1 Watt CW	1 Watt CW	1 Watt CW

**TYPICAL CHARACTERISTICS
ON
BR2G315R2G35R-SFF**

