TYPICAL CHARACTERISTICS
ON
EQL-DC20-12-SFF

PMI MODEL EQL-DC20-12-SFF IS A DC TO 20 GHZ EQUALIZER FEATURING 1 W POWER HANDLING WITH AN INSERTION LOSS OF 3 dB AT 18 GHz AND A VSWR OF 2.0:1 MAXIMUM. PACKAGE HAS REMOVABLE SMA FEMALE CONNECTORS. IDEAL FOR CONNECTORIZED OR SURFACE MOUNT APPLICATIONS.



TESTED BY: V. PRATAP
REPORTED BY: V. PRATAP
DATE: 02/17/2026

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

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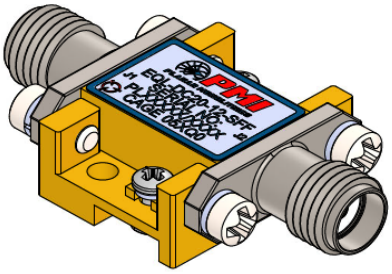
PRODUCT FEATURE

DESCRIPTION:

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SPECIFICATIONS:

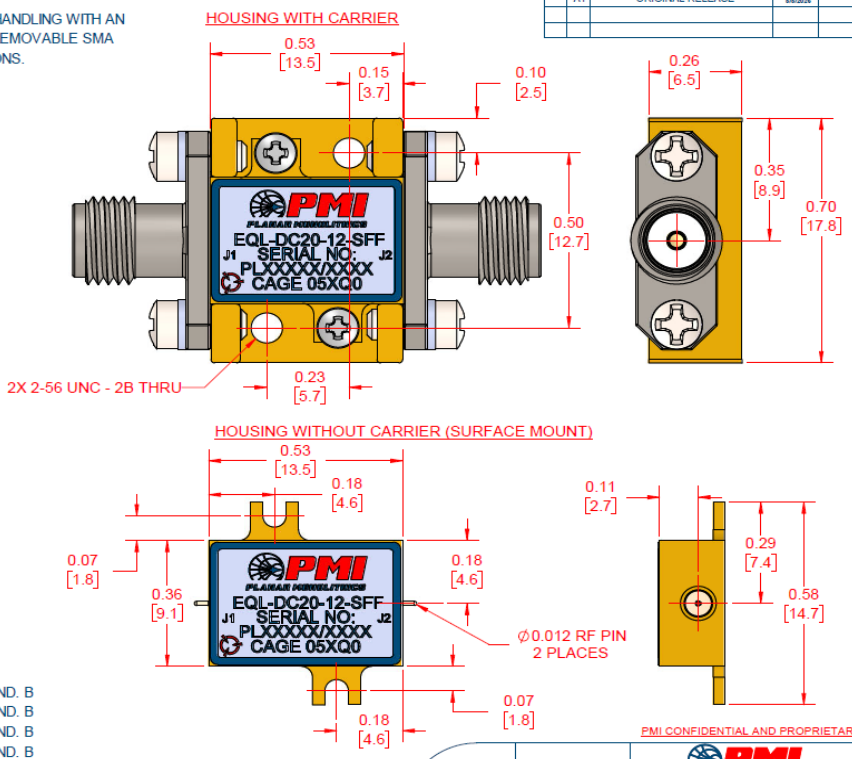
- FREQUENCY RANGE:..... DC TO 20.0 GHz
- INPUT POWER:..... 1 W MAX
- VSWR:..... 1.5:1 TYP
  2.0:1 MAX
- INSERTION LOSS:..... 13.5 dB TYP AT 0.5 GHz
  3 dB TYP AT 18 GHz
- CONNECTORS IN/OUT:..... SMA FEMALE
- FINISH:..... GOLD PLATED



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
  -65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103 COND. B
- SHOCK:..... MIL-STD-202, METHOD 213 COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204 COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107 COND. A

NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION



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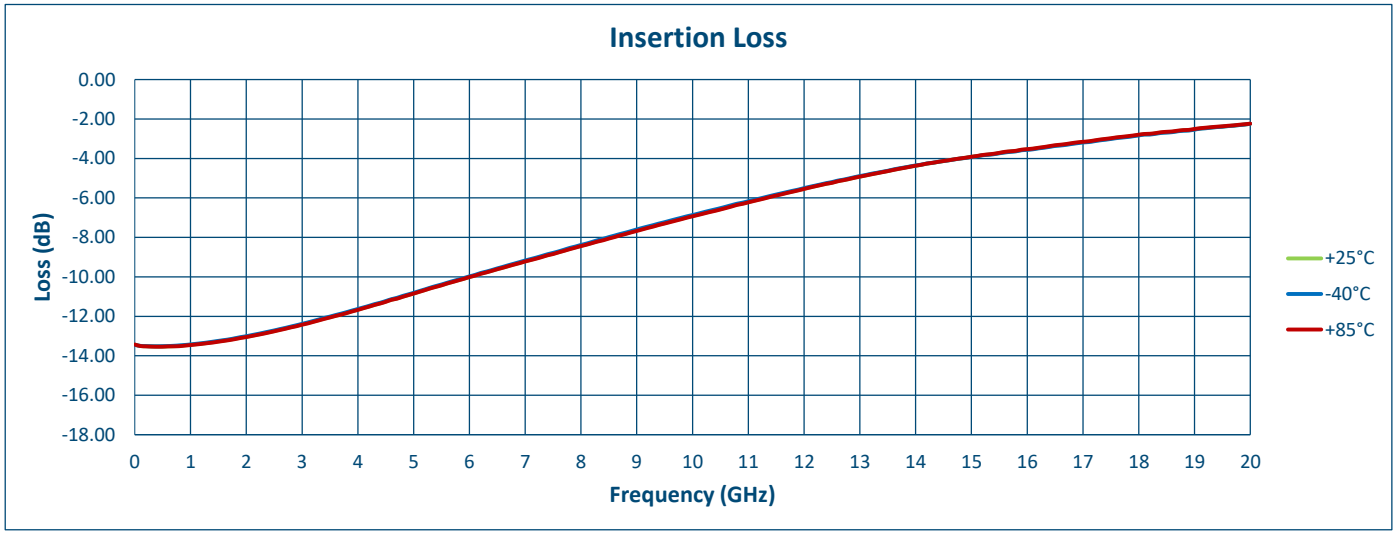
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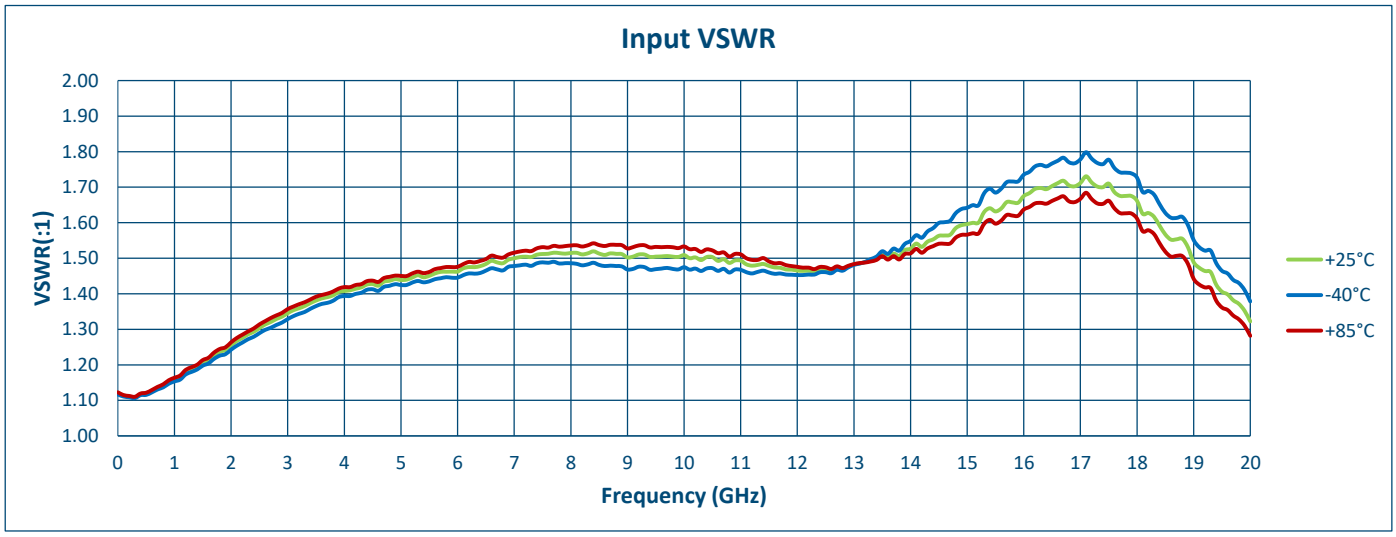
TECHNICAL SPECIFICATIONS

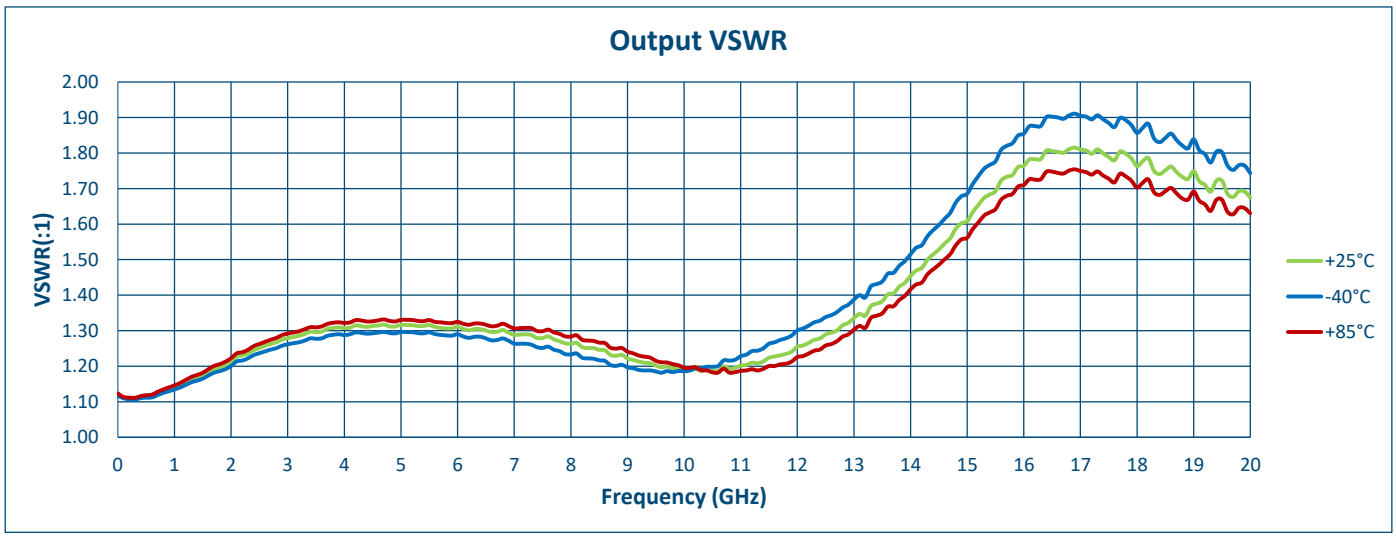
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results		
			-40C	+25C	+85C
1	Frequency Range:	DC to 20 GHz	DC to 20GHz		
2	VSWR	1.5:1 Typ. 2.0:1 Max.	1.8:1 Input VSWR See Graph	1.73:1 Input VSWR See Graph	1.68:1 Input VSWR See Graph
			1.91:1 Output VSWR See Graph	1.82:1 Output VSWR See Graph	1.75:1 Output VSWR See Graph
3	Insertion Loss	13.5 dB Typ. @ 0.5 GHz 3 dB Typ. @ 18 GHz	13.51 dB @ 0.5 GHz See Graph	13.53 dB @ 0.5 GHz See Graph	13.54 dB @ 0.5 GHz See Graph
			2.83 dB @ 18 dB See Graph	2.81 dB @ 18 dB See Graph	2.79 dB @ 18 dB See Graph
4	Input Power	1 W CW Max.	1 W CW	1 W CW	1 W CW

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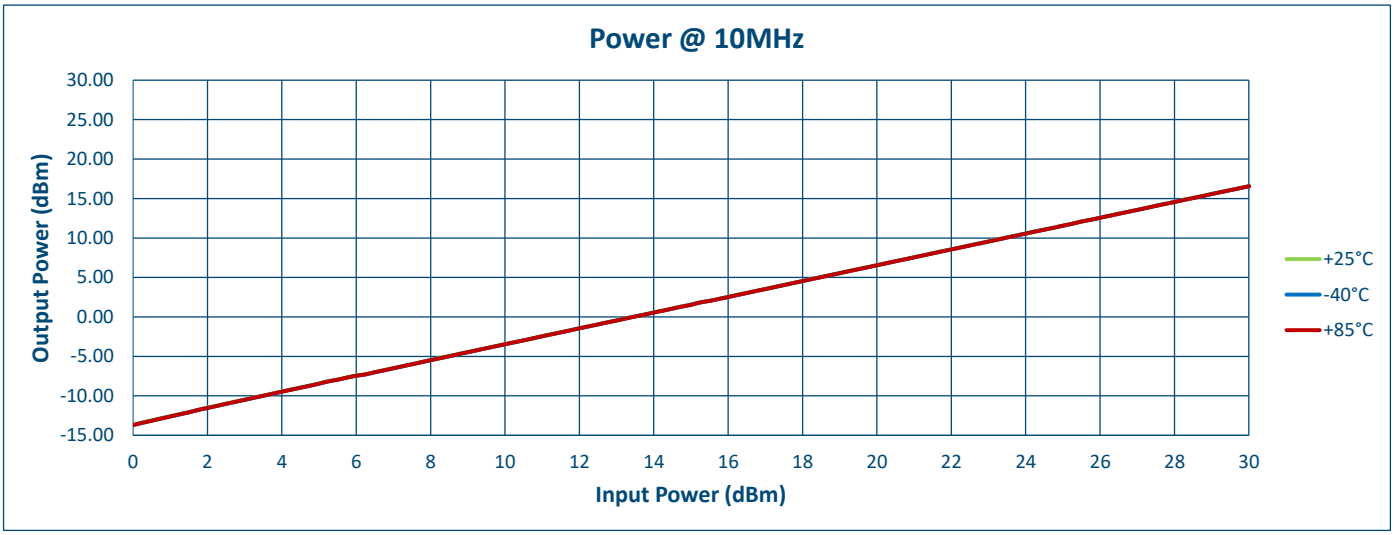


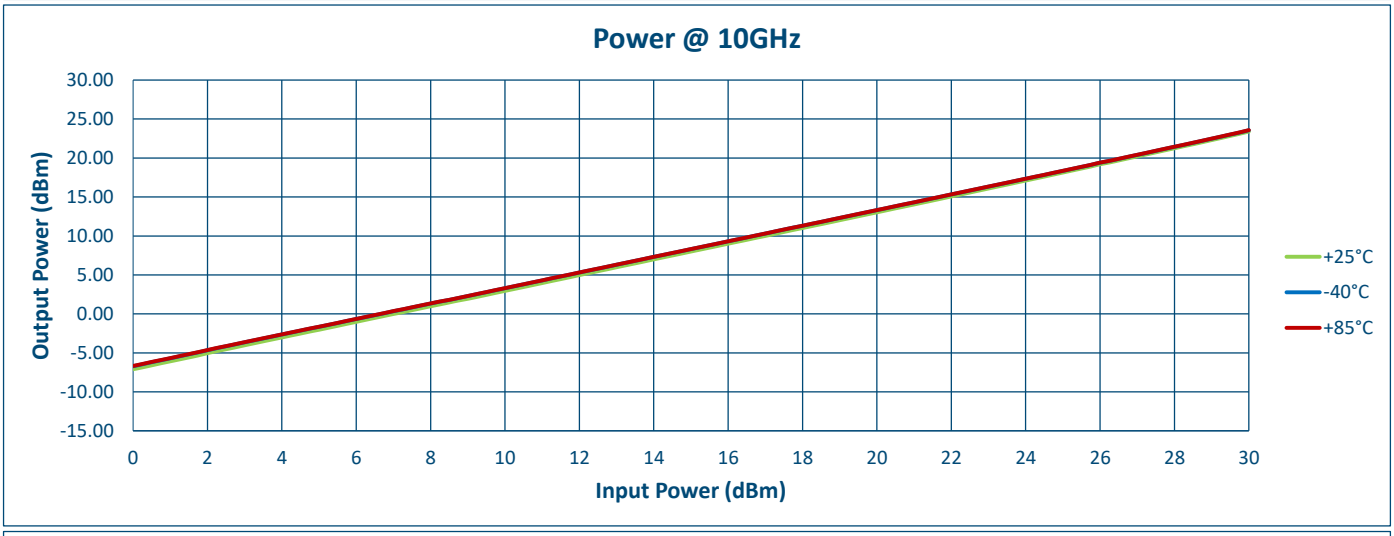


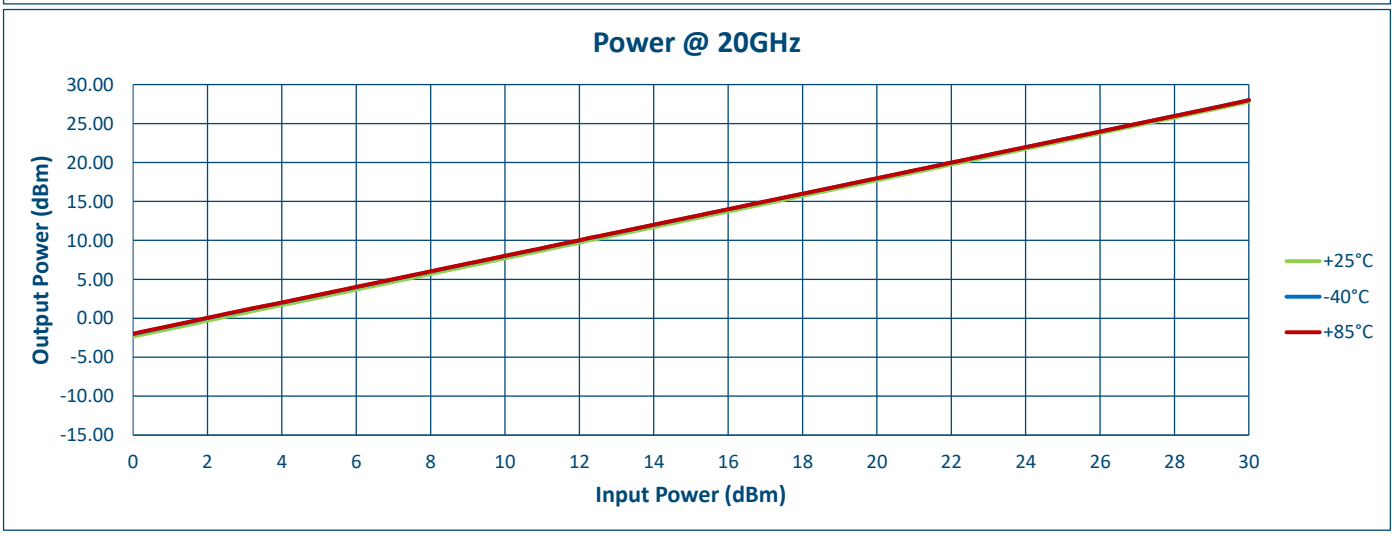


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