



**SUMMARY TEST DATA
ON
PEC-42-500M40G-20-12-292FF**

PL31797

Customer: _____ Tested By: Jim Hopson
SO No: _____ Temperature: +25°C
Model No: PEC-42-500M40G-20-12-292FF Date: 03/25/21
Serial No: PL31797/2112 Drawing No: 27623504 Rev: A3

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	500 MHz – 40 GHz	500 MHz – 40 GHz (See Plot)	PMI QA3
2	Gain	42 dB Typ	42 dB (See Plot)	
3	Gain Flatness	±2.5 dB Typ	± 2.4dB (See Plot)	
4	*Noise Figure	5.5 dB Typ	5.5 Typ Pass	
5	Pout @ 1dB Compression	+19 dBm Typ 1-18 GHz +17 dBm Typ 18-40 GHz	See Data	
6	Psat	+23 dBm Typ 1-18 GHz +20 dBm Typ 18-40 GHz	See Data	
7	VSWR In	2.0:1 Max	1.86:1 (See Plot)	
8	VSWR Out	2.5:1 Max	1.95:1 (See Plot)	
9	Input Power Handling	+17 dBm CW Max	Pass	
10	DC Supply	+12 to +15 VDC @ 450 mA Typ	+12 to +15 VDC @ 470 mA	PMI QA3

*Up To 26.5 GHz

QA/QC Approval:

Arthur Zimmerman

Date:

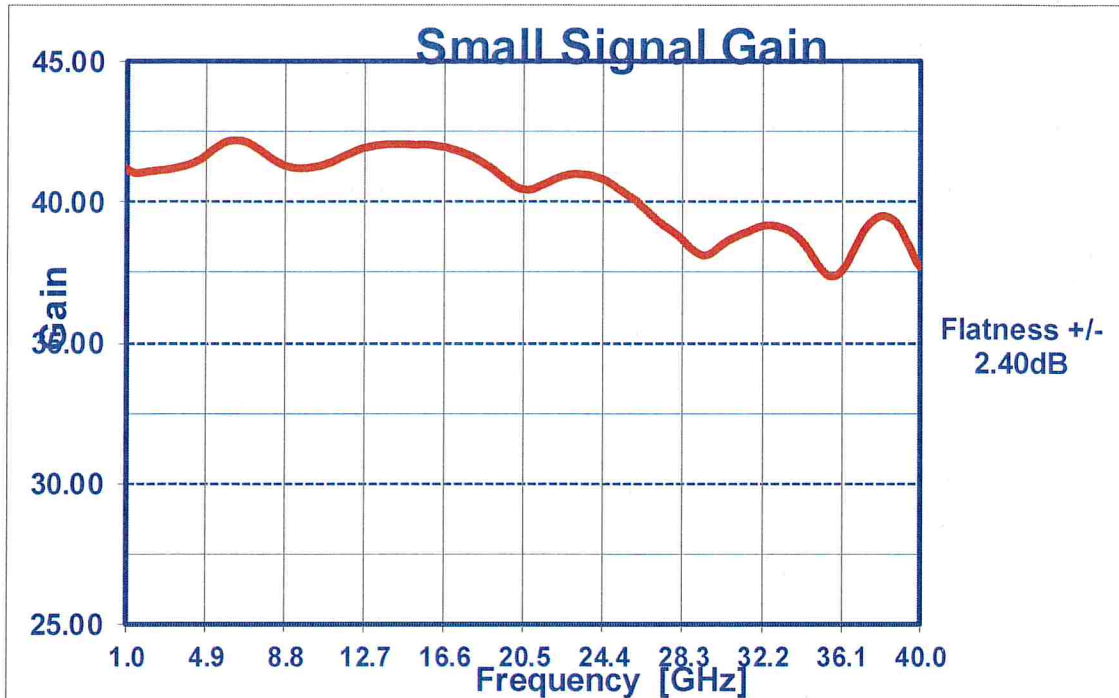
03/25/2021

7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com



**SUMMARY TEST DATA
ON
PEC-42-500M40G-20-12-292FF**

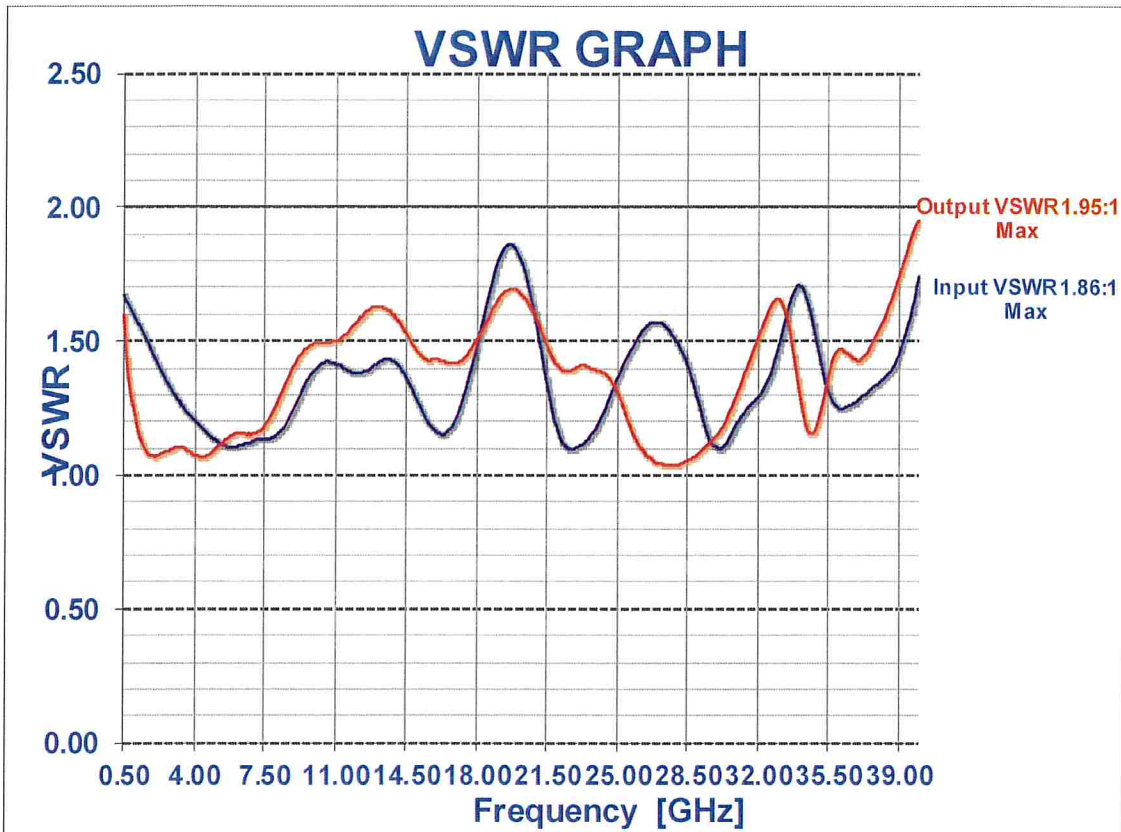
PL31797





**SUMMARY TEST DATA
ON
PEC-42-500M40G-20-12-292FF**

PL31797

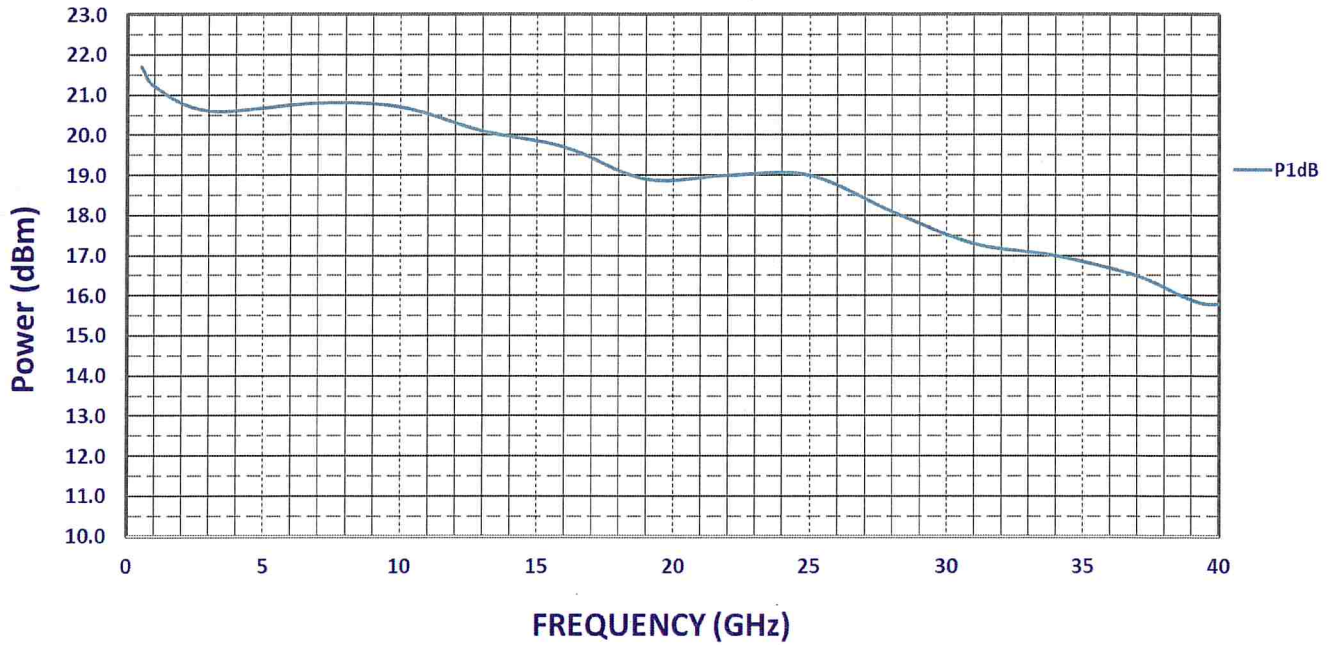




**SUMMARY TEST DATA
ON
PEC-42-500M40G-20-12-292FF**

PL31797

P1dB Vs Frequency





**SUMMARY TEST DATA
ON
PEC-42-500M40G-20-12-292FF**

PL31797

PSAT Vs Frequency

