



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

Customer: \_\_\_\_\_  
 SO No: \_\_\_\_\_  
 Model No: PEC-42-500M40G-20-12-292FF  
 Serial No: PL27209/1948

Tested By: K. Mansfield  
 Temperature: +25°C  
 Date: 11/26/2019  
 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	PMI QA1	
2	Gain:	42 dB Typ.	+42.7 dB Max. +38 dB Min. See Plot		
3	Gain Flatness:	±2.5 dB Typ.	±2.36 dB See Plot		
4	*Noise Figure:	5.5 dB Typ.	See Typical Characteristics		
5	OP1dB:	+19 dBm Typ. (0.5-18 GHz) +17 dBm Typ. (18-40 GHz)	See Typical Characteristics		
6	Psat:	+23 dBm Typ. (0.5-18 GHz) +20 dBm Typ. (18-40 GHz)	See Typical Characteristics		
7	VSWR: (Input/Output)	2.0:1 In 2.5:1 Max. Out	1.9:1 In 1.8:1 Out See Plot		
8	Input Power Handling:	+17 dBm CW Max.	Pass		
9	DC Supply:	+12 to +15 VDC @ 450 mA Typ.	+12 to +15 VDC @ 478 mA		PMI QA1

\*Up to 26.5 GHz

QA/QC Approval:  PMI QA1

Date: 12/4/19



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