



**Typical Characteristics
On
LM-500M8G-2-33DBM-12V**

PL14185/1346

0.5-8.0GHz State of the Art Active Limiter



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Description:
500MHz to 8.0GHz Active Limiter Meeting The Following Specifications:

Specifications:
 Frequency: 0.5 to 8.0 GHz
 Insertion Loss: 2dB Max.
 Max. Input Power: +33dBm CW
 Output Leakage Power: +2.3dBm Max.
 VSWR: 2.0:1 Max.
 DC Supply: +12VDC @ 180mA Typ.
 Connectors: SMA(F)

Environmental Ratings:
 Temperature: -55 to +65 Deg. C (Operating)
 -55 to +125 Deg. C (Storage)
 Humidity: MIL-STD-202F, METHOD 103B COND B.
 Shock: MIL-STD-202F, METHOD 213B COND B.
 Altitude: MIL-STD-202F, METHOD 105C COND B.
 Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

Note: The above specifications are subject to change or revision.

FUNCTIONAL BLOCK DIAGRAM

MECHANICAL OUTLINE

REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	9/18/14	

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PMI CONFIDENTIAL AND PROPRIETARY

PRODUCT FEATURE

DESIGN	DATE	REV. FROM NO.	QWS NO.	REV.
3241	6/22/14	A	05X00	1
TITLE		PART		
LM-500M8G-2-33DBM-12V		27021141		
TOLERANCES		1 OF 1		
XXX .0010				
XXX .0010				
XXX .0010				



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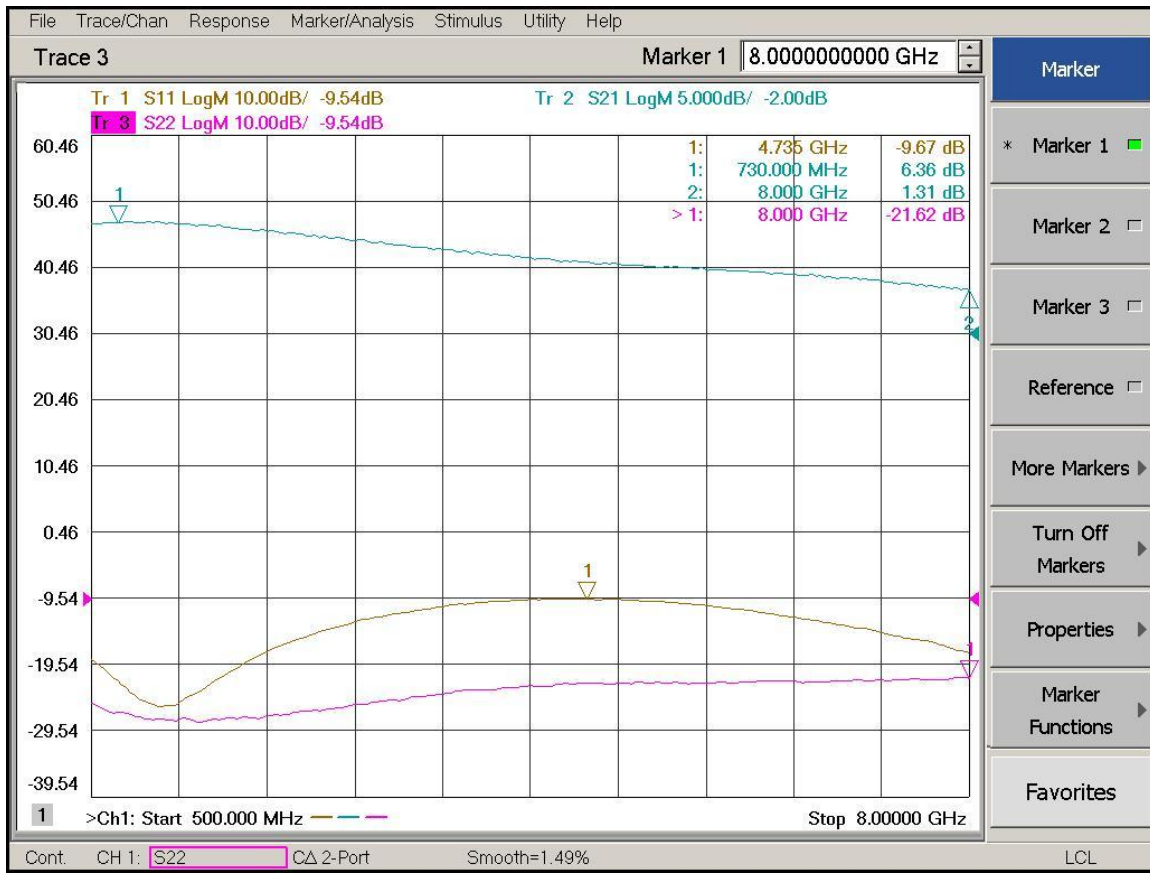
TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	0.5 to 8.0 GHz	0.5 to 8.0 GHz	
2	Insertion Loss:	2.0dB Max	6.36dB GAIN (See Plot)	
3	Max Input Power:	+33dBm CW	Pass	
4	Output Leakage Power:	+2.3dBm Max	-0.27dBm	
5	VSWR:	2.0:1 Max	Pass (See Plot)	
6	DC Supply:	+12VDC @ 180mA Typ	138mA	



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Insertion Loss & Return Loss





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Input Power vs. Output Power

