

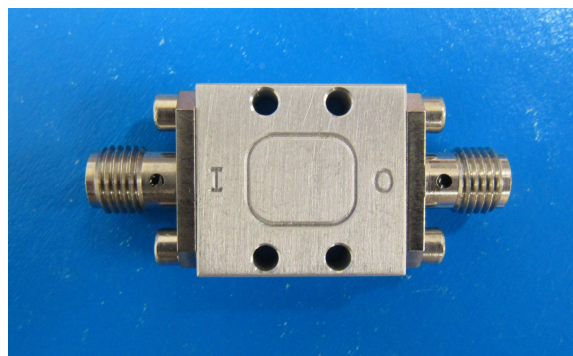
LMT Series

10 - 6000MHz Power Limiter

Features

- Input Frequency: 10 – 6000MHz
- Insertion Loss: 0.7dB
- P_{1dB} Limiting Threshold: +11dBm
- Input IP2: +70dBm
- Input IP3: +31dBm
- Response/Recovery Time: 1ns
- SMA Connector

Picture



Description

LMT-2 is a power limiter operates with frequency range from 10 to 6000MHz. Usable to 7000MHz with little higher insertion loss.

Electrical Specifications @ +25 °C, Z_{IN} = Z_{OUT} = 50 Ω

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	10		6000
Insertion Loss	f =10MHz		0.2	0.4
	f =3000MHz		0.7	0.9
	f =6000MHz		1.3	1.5
P _{1dB} Limiting Threshold	f =10MHz		+13	
	f =3000MHz		+11	
	f =6000MHz		+9	
Leakage Power @ P _{in} =+30dBm	f =10MHz		+16	+18
	f =3000MHz		+12	+14
	f =6000MHz		+9	+10
Input IP2	f =6000MHz		+70	
Input IP3	f =6000MHz		+31	
Response/Recovery Time	ns		1	
VSWR Input	f = 3000MHz		1.3:1	1.5:1
VSWR Output	f =3000MHz		1.3:1	1.5:1

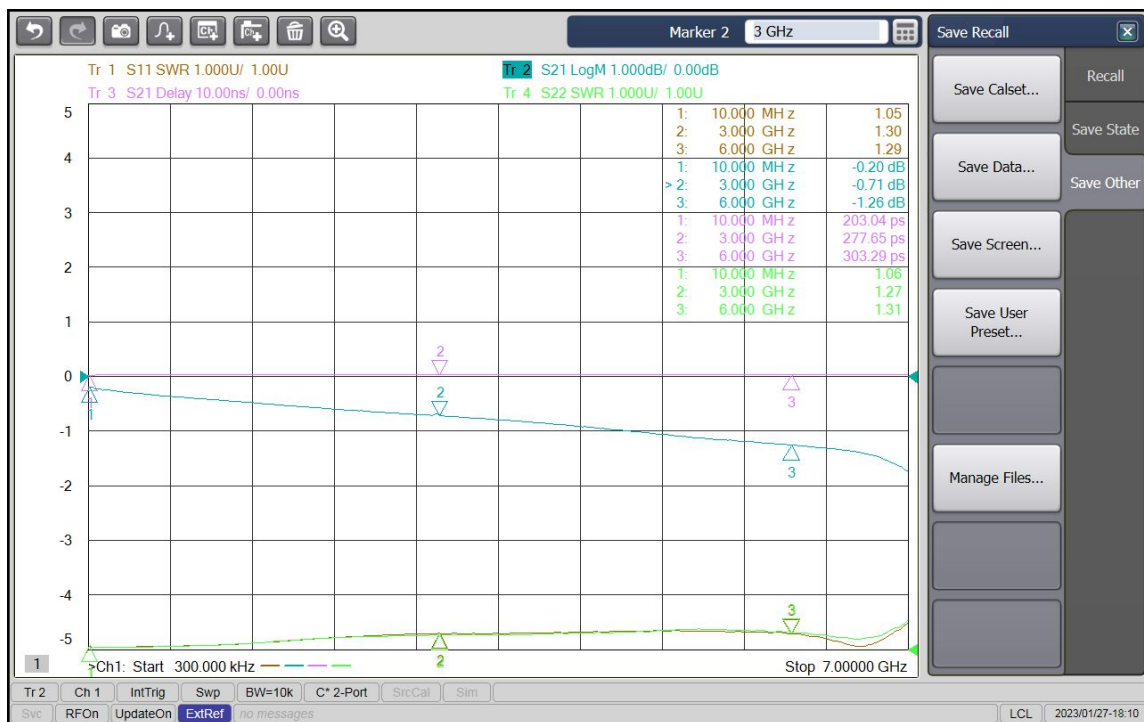
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Insertion Loss S21, S12, Return Loss S11, S22 vs Frequency



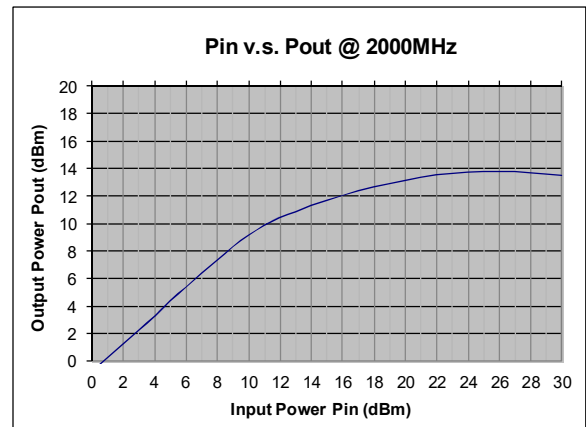
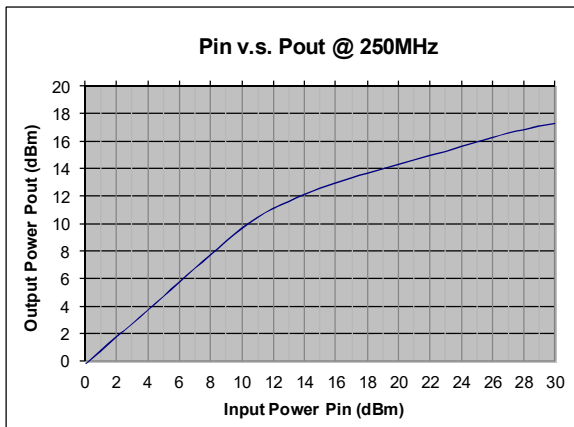
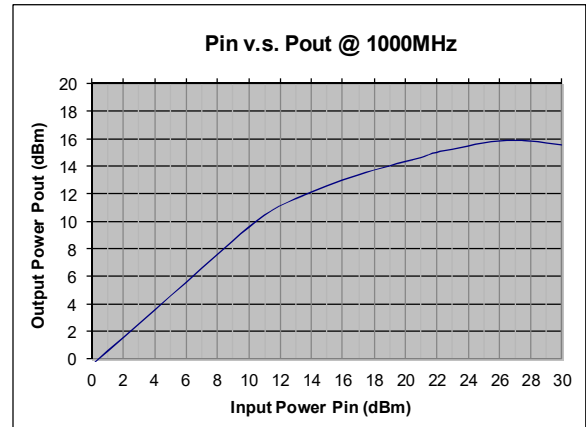
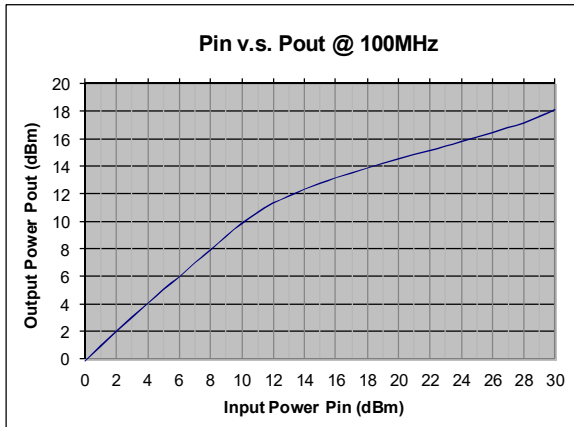
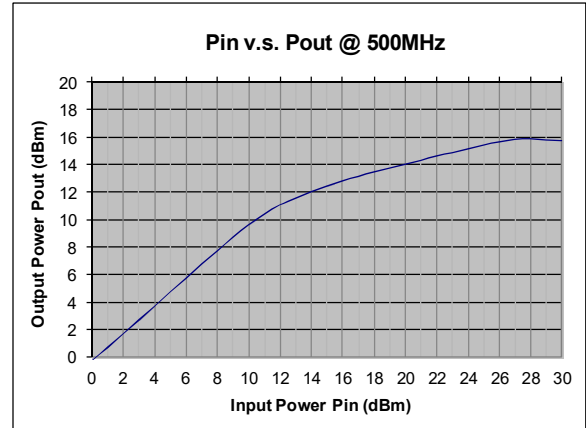
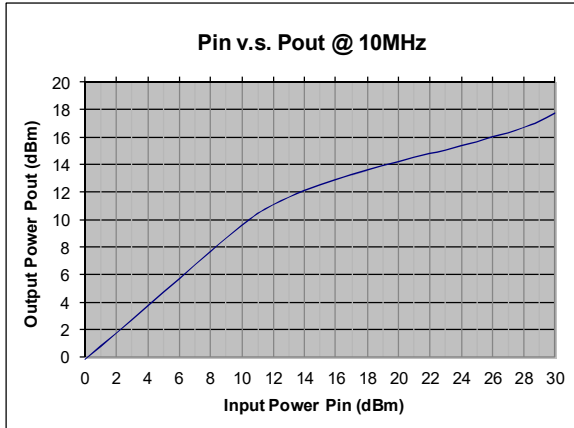
Insertion Loss S21, Group Delay, VSWR S11, S22 vs Frequency



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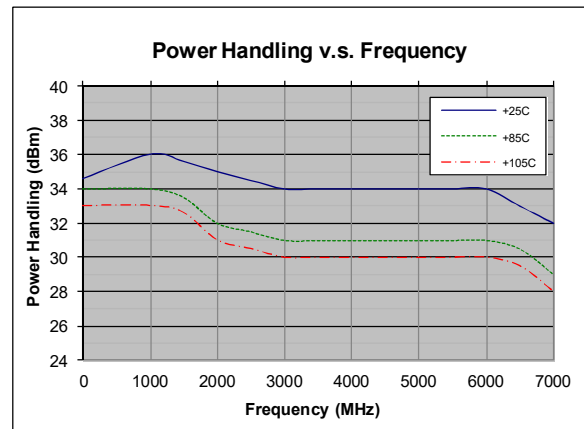
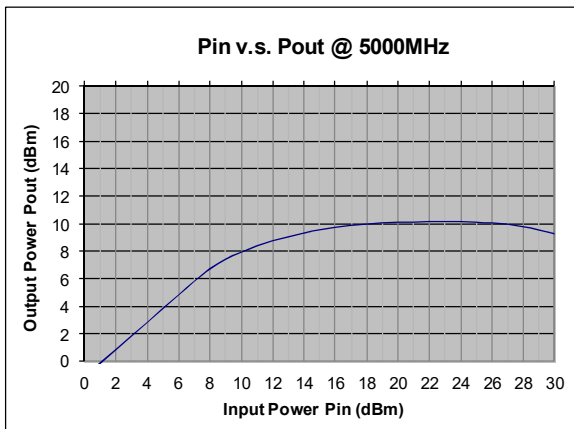
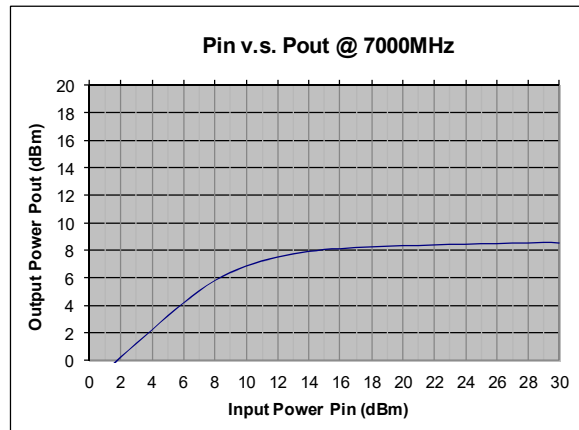
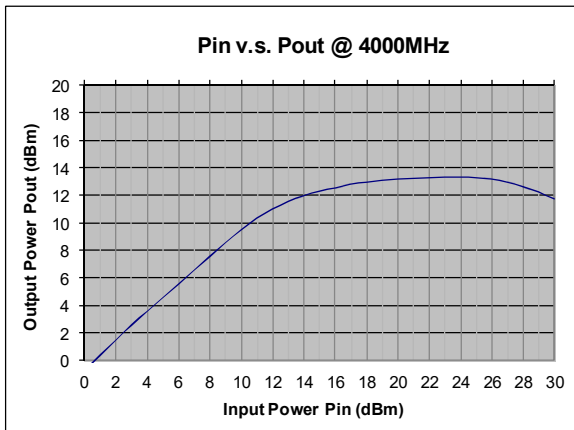
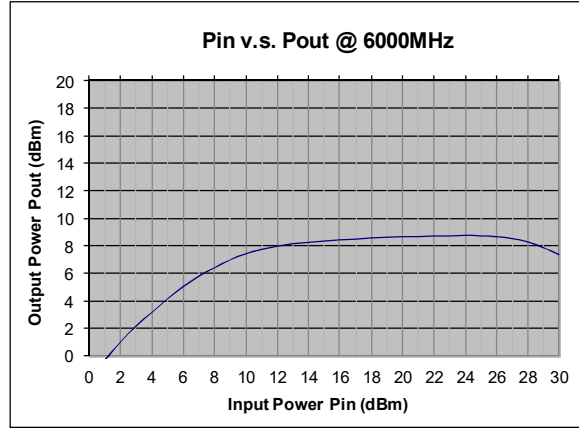
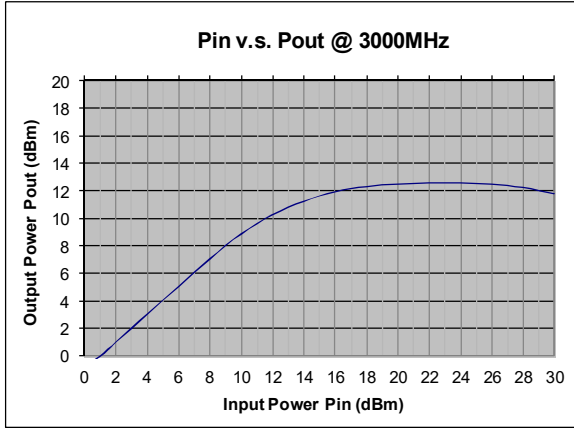
Typical Performance @ +25 °C



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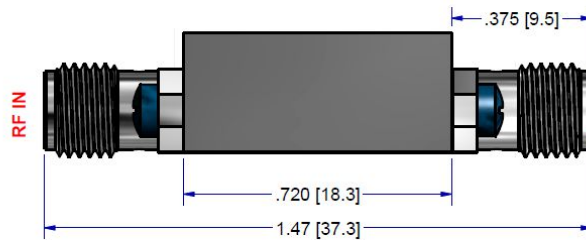
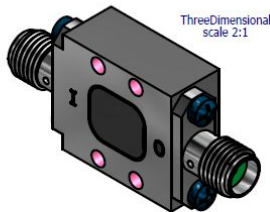
Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power CW	+39dBm
DC Voltage on I/O Port	0V
Operating Temperature	-55 °C to +105 °C
Storage Temperature	-65 °C to +125 °C

ESD Sensitive Material



Outline



RF Connectors (2 PL.):
SMA-F, SuperSMA-F, or TypeK
(2.92mm/SMK)-F: According to
frequency (upto 18, 26, 40GHz).

