RF LIMITER
MODEL *TL9011*

Available as: TL9011, 4 Pin TO-8 (T4)
TNL9011, 4 Pin Surface Mount (SM3)
FPL9011, 4 Pin Flatpack (FP4)
BXL9011, Connectorized Housing (H1)

Features

- Voltage Variable Limiting Level
- Good Even Order Harmonic Suppresion
- Low Insertion Loss
- Low VSWR
- Operating Temp. -55 ºC to + 85 ºC

Maximum (No Damage) Ratings

Ambient Operating Temperature ..... -55ºC to + 100 ºC
Storage Temperature ..... -62ºC to + 125 ºC
Case Temperature ..... + 125 ºC
DC Voltage ..... + 25 Volts
Continuous RF Input Power ..... + 13dBm
Short Term RF Input Power .... 400 Milliwatts (1 Minute Max.)
Maximum Peak Power ..... 1.0 Watt (3 msec Max.)

Revision 8/8/2013

Specifications

Note: Care should always be taken to effectively ground the case of each unit.

CHARACTERISTIC	TYPICAL	MIN/MAX
Frequency	5 - 500 MHz	5 - 500 MHz
Insertion Loss Power Input= -20 dBm V=+15	2.0	3.0
Output Level at Limiting Threshold (1 dB comp.)		
V= +20	-.5	1.0
V= +15	-1.5	0.0
V= +10	-4.0	-2.5
V= +5	-11.0	-9.0
Max. Output Limiting Level @ +20 dBm (100 MHz)		
V= +20	+2.0	+3.0
V= +15	+1.0	+2.0
V= +10	-2.0	0.0
V= +5	-7.0	---
VSWR In	1.7:1	2.0:1
Out	1.7:1	2.0:1
Max Input Level (dBm)	-	+26
Bias Power Vdc	+15	+20
mA	7	10

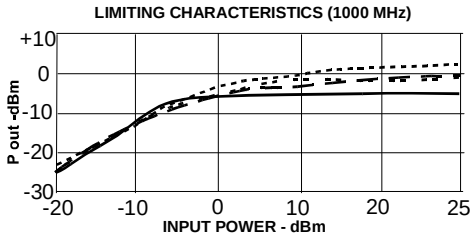
LEGEND:

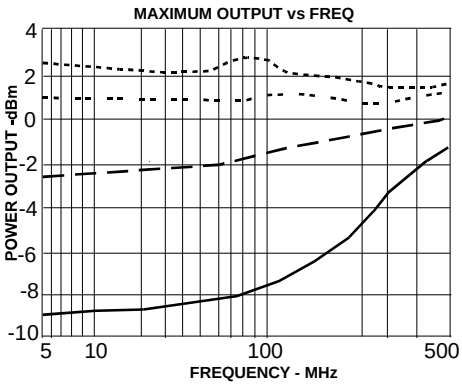
_____ **+5 Vdc**

__ __ __ __ **+10 Vdc**

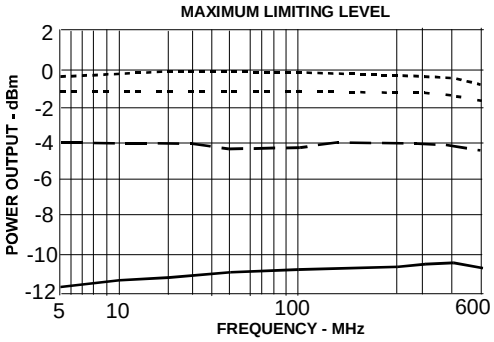
_ _ _ _ _ _ **+15 Vdc**

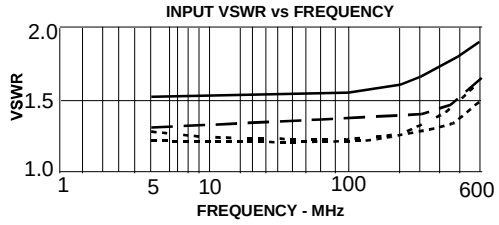
---------- **+20 Vdc**

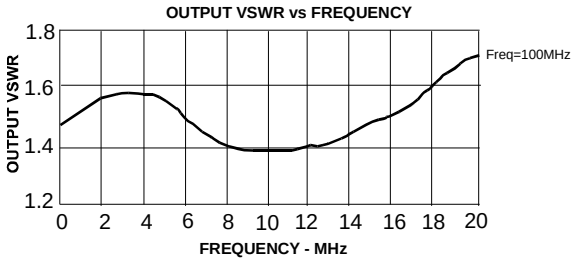


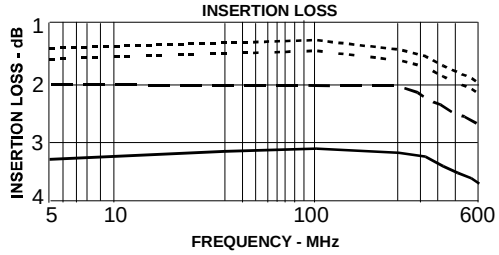


Typical Performance Data









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