

ETX115-M1

[0.5 – 2.7] GHz Broadband 2 Watt Power Amplifier Module

Application

NewEdge Signal Solutions ETX115 is a 2W Power Amplifier module delivering high gain, high power across a wide RF transmit bandwidth. This 2W compact module can be used for a wide range of applications including LTE Signals for use in tactical communication, test and measurement or electronic warfare systems. It has high gain across the full [0.5-2.7] GHz band and uses a single +12V supply.



Features

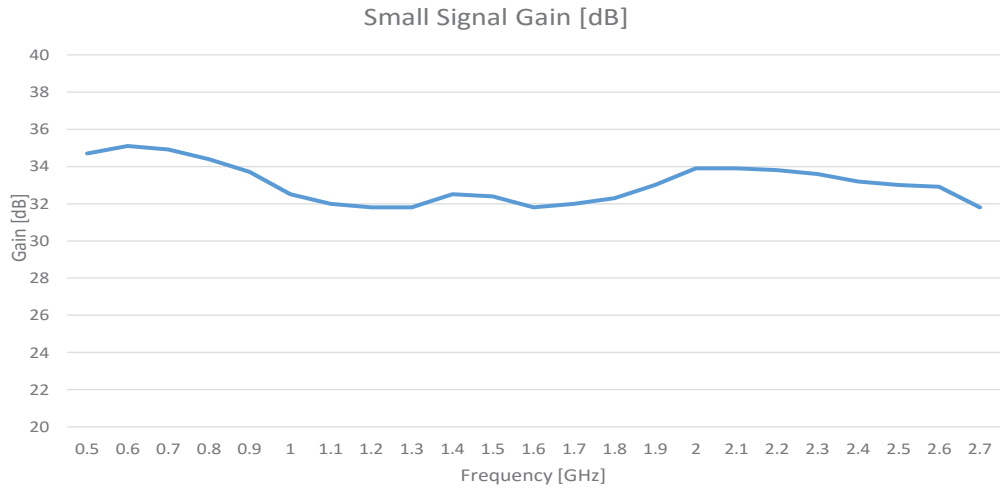
- Frequency: [500 – 2700] MHz
- P1dB: 33 dBm @ 1500 MHz
- Small Signal Gain: 38.0 +/- 1.5dB
- Single +12V Supply Rail
- Integrated Power Supplies and Sequencing
- High Efficiency: >20%
- Compact size: [2.6 x 1.86 x .75]"
- 50 Ohm Operation

Specifications

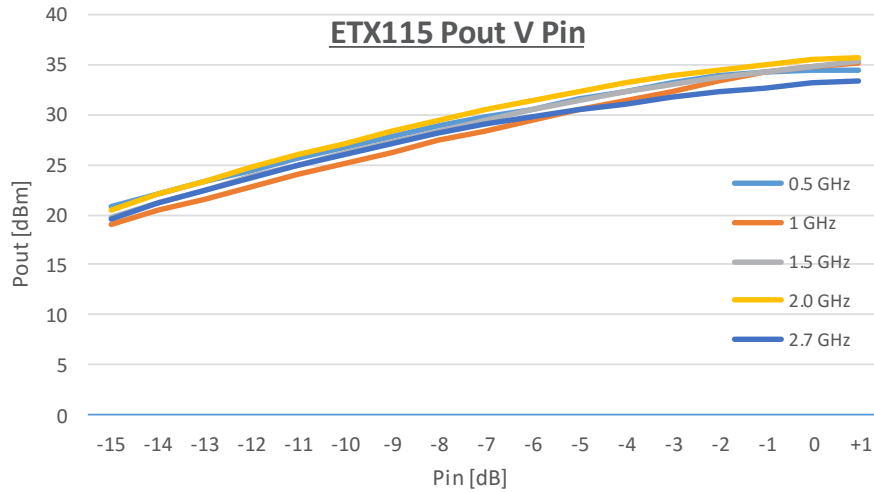
Electrical

TA = +25° C, with Vcc = +12V, 50 Ohm System	
Frequency	[0.5 – 2.7] GHz
Small Signal Gain	+40 dB
Gain Flatness	+/- 1.0 dB
Peak Output Power (P1dB)	+33 dBm
10MHz LTE Non Memory ACLR [25.5dBm Ave, 7.5dB PAPR]	> 45dBc
Input VSWR	< 2.2:1
Supply Voltage	+12 V
Supply Current (@ 33dBm)	<700 mA
Operating Temperature	[-40 to +85] C

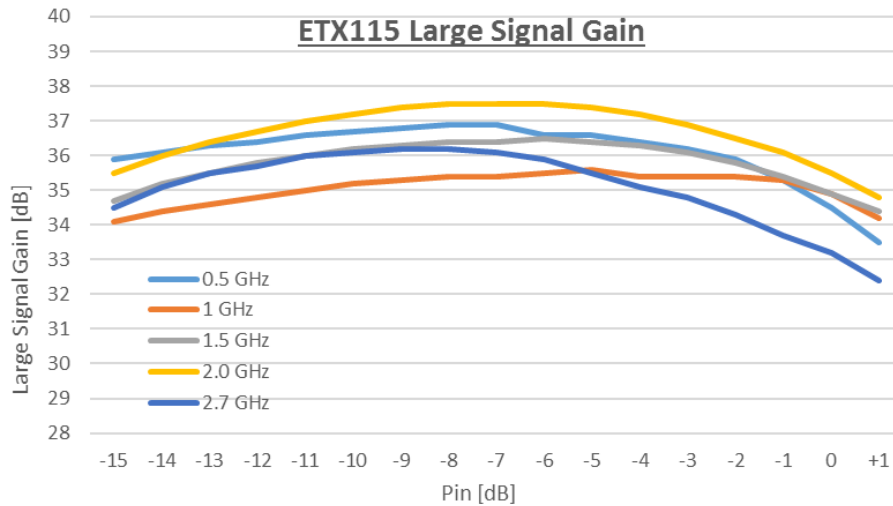
ETX115 Small Signal Gain vs Frequency

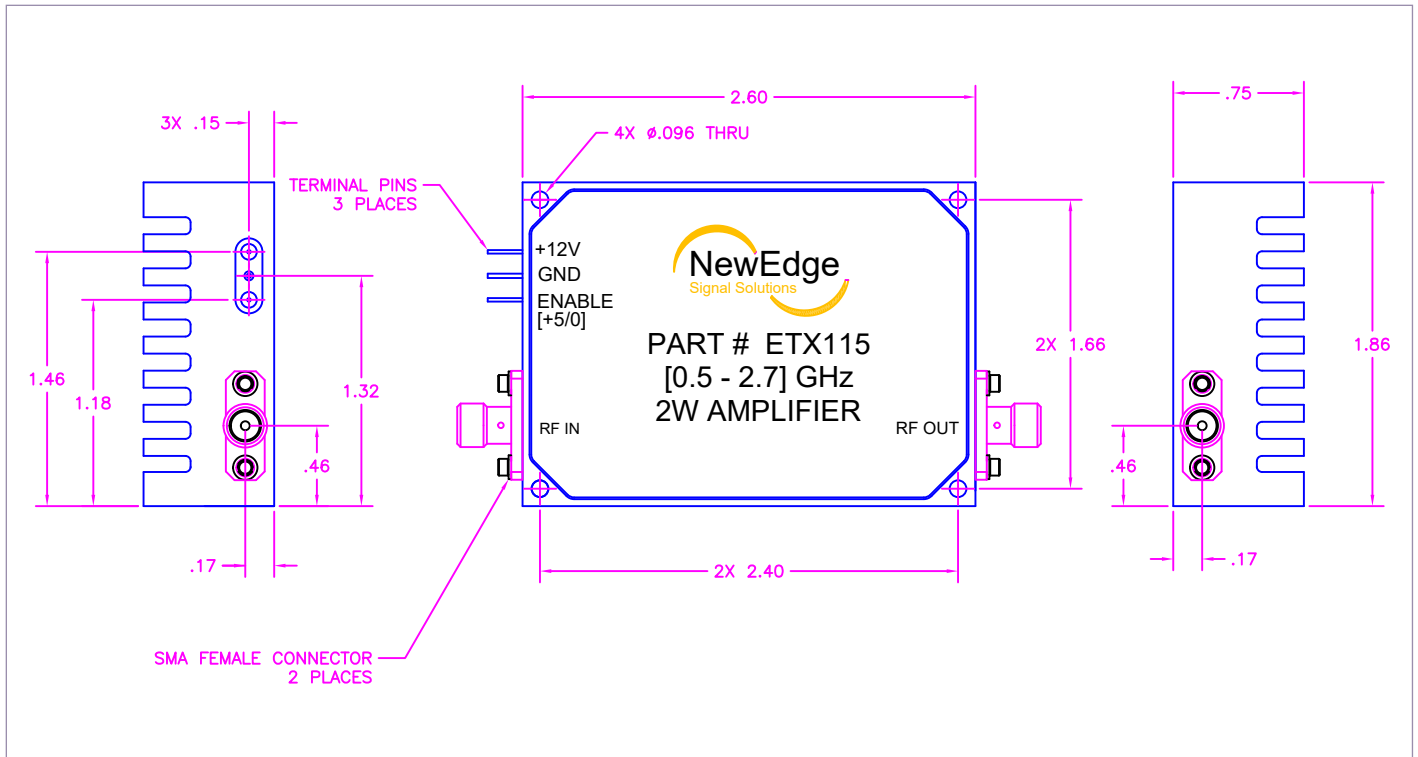


ETX115 Output Power vs Input Power by Frequency



ETX115 Large Signal Gain vs Input Power by Frequency





Disclaimer

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