



# LNA1015 SOLID STATE HIGH POWER AMPLIFIER

## FEATURES

Coaxial low noise amplifier module  
 Suitable for all single channel modulations standards  
 High reliability and ruggedness

## ELECTRICAL SPECIFICATIONS

Parameter	Specification	Notes
Operating Frequency Range	240 - 400 MHz	
Power Output P1dB	10 dBm Typ	CW
Power Gain	20 dB Min	
Gain Flatness	2.0 dB p-p Max	
Input Return Loss	12 dB Min	Relative to 50 Ohm
Harmonics 2 <sup>nd</sup> / 3 <sup>rd</sup>	-20 dBc Min	At rated Pout
2-Tone 3 <sup>rd</sup> Order Intercept Point (IP3)	N/A	$\Delta = 1\text{MHz}$
Noise Figure	0.5 dB Typ	
Spurious	-60 dBc Max	Non-harmonics
Operating Voltage	15 VDC Nom	
Current Consumption	60 mA Max	
Max Input Power	-10 dBm	Without damage
Load VSWR Protection	$\infty : 1$	

## ENVIRONMENTAL CHARACTERISTICS

Parameter	Specification	Notes
Operating Case Temperature	-20 to +75 °C	
Storage Temperature	-40 to +85 °C	
Relative Humidity	5 to 95 %	Non-condensation

## MECHANICAL SPECIFICATIONS

Parameter	Specification	Notes
Dimensions	33 x 22 x 10 mm	
Weight	TBD	
RF Connectors In/Out	SMA female	
DC Power / Interface Connector	Feed-Thru	
Ground	Solder Lug	

## FEED THRU PIN ASSIGNMENT

Pin	Function	Description
1	SHUTDOWN	TTL
2	VDD	15VDC
3	GND	Ground



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OUTLINE DRAWING