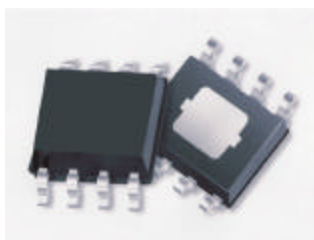




Low Noise Amplifier 1.5/2.7 GHz

LNA-015-01-S08 PRELIMINARY



SOIC-8 pin exposed paddle package

DESCRIPTION

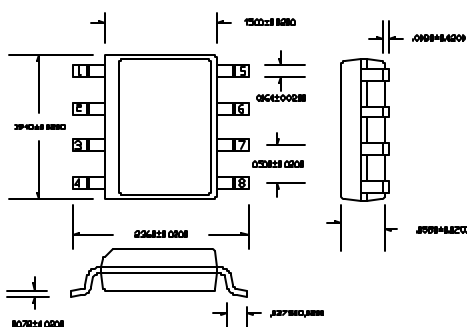
- Single stage Low Noise Amplifier
- Broadband Frequency Performance
- State-of-the-Art low noise figure
- Input & Output Matched to 50Ω
- High Temperature Stability
- PHEMT Technology

ELECTRICAL SPECIFICATION

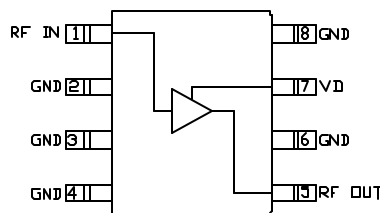
Frequency:	1.5 - 2.7 GHz
Gain @ 1.5 GHz:	16.0 dB
Gain @ 2.7 GHz:	12.0 dB
Noise Figure (NF)	
NF @ 1.5 GHz:	0.85 dB
NF @ 2.7 GHz:	0.65 dB
P1dB @ 2.0 GHz	10.0 dBm
Return Loss	
Input/Output	< -10.0 dB
Current: 10mA @ 3.0 V Power supply	

PACKAGE DIMENSIONS (mil)

Body: 150 x 149
Leadframe: width 16, length 40, lead pitch 50.



FUNCTIONAL BLOCK DIAGRAM



TYPICAL PREDICTED PERFORMANCE

