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GN1113 Low Voltage Operation

This document is an addendum to the GN1113 datasheet, Gennum document ID number 44368, entitled "GN1113, 8.5 Gb/s Fibre Channel Rx Repeater". It is intended to show the performance of the part while it is continuously operated at 2.7V. All data sheet parameters are equivalent to those listed in the standard GN1113 data sheet, with the exception of the deviations show below. Note that some parameters listed here may be equivalent to those in the standard data sheet, but are repeated here for clarity.

Parameter	Symbol	Standard Datasheet Values		Modified Values for 2.7V Continuous Operation		
		Min	Max	Min	Max	Units
Supply Voltage	V_{CC}	2.81	3.47	2.67	2.73	V
Supply Current	I_{CC}	50.0	75.7	50.0	73.0	mA
Output Amplitude	V_{OLS}	600	800	550	780	mVppd
Input Data Rate		8.5	8.5	8.5	8.5	Gb/s
Temperature Range	T_C	-40	+95	-5	+95	°C

Revision History

Version	ECR	Date	Changes and / or Modifications
0	148993	January 2008	New document.

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