

## Product Overview

### NUP1105L: CAN / LIN Bus Protector, Single Line

For complete documentation, see the data sheet.

The NUP1105L has been designed to protect LIN and single line CAN transceivers from ESD and other harmful surge events. This device provides bidirectional protection for the data line with a single SOT-23 package, giving the system designer a low cost option for improving system reliability and meeting stringent EMI requirements.

### Features

- SOT-23 Package Allows One Separate Bidirectional Configuration
- 350 W Peak Power Dissipation per Line (8 x 20 usec Waveform)
- Low Reverse Leakage Current (< 100 nA)
- IEC Compatibility: -IEC 61000-4-2 (ESD): Level 4 -IEC 61000-4-4 (EFT): 40 A - 5/50 ns -IEC 61000-4-5 (Lighting): 8.0 A (8/20 s)

### Part Electrical Specifications

Product	Compliance	Status	Interface	Number of Lines	Direction	C Max (pF)	$V_{(BR)}$ Min (V)	$V_{RWM}$ Max (V)	$I_R$ Max ( $\mu$ A)	$P_{PK}$ Max (W)	Package Type
NUP1105LT1G	Pb-free	Active	CAN	1	Bidirectional	30	25.7	24	0.1	350	SOT-23-3
	Halide free		LIN								
SZNUP1105LT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	CAN LIN	1	Bidirectional	30	25.7	24	0.1	350	SOT-23-3

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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