



Product Overview

NUP2105: CAN Bus Protector, Dual Line

For complete documentation, see the data sheet

Product Description

This dual bi-directional is designed for applications requiring voltage protection capability. It is intended for use in overvoltage and ESD sensitive equipment. This device features a dual junction common cathode configuration designed to protect two independent lines.

Features

- SOT-23 package allows two separate bi-directional configurations
- 350 W Peak Power Dissipation per line (8x20 us waveform)
- Low reverse leakage current (< 100 nA)
- IEC-61000-4-2: Level 4 Compatible.
- IEC-61000-4-4: 5/50 ns 50 A Max.
- IEC-61000-4-5: 8.0 A (8x20 us)

Applications

- Automotive CAN Bus Line Protection

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 (uA)	P _{PK} Max (W)	Package Type
NUP2105LT1G	AEC Qualified Pb-free Halide free	Active	General I/O	2	Bidirectional	30	26.2	22	0.1	350	SOT-23-3
SZNUP2105LT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	General I/O	2	Bidirectional	30	26.2	22	0.1	350	SOT-23-3
SZNUP2105LT3G	AEC Qualified PPAP Capable Pb-free Halide free	Active	General I/O	2	Bidirectional	30	26.2	22	0.1	350	SOT-23-3

For more information please contact your local sales support at www.onsemi.com

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