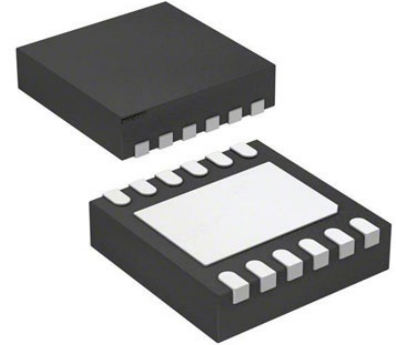


±16.5kV ESD Protected, +125°C, 3.0V to 5.5V, SOT-23/TDFN Packaged, Low Power, RS-485/RS-422 Transmitters; Temperature Range: Full-Range Ind; Package: 8-TDFN T&R



Images are for reference only

Manufacturers [Renesas Technology Corp](#)

Package/Case 8-WFDFN

Product Type Interface ICs

RoHS

Lifecycle

Please submit RFQ for ISL3298EFRTZ-T or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

A 26% smaller footprint is available with the ISL3298E TDFN package. This device also features a logic supply pin (VL) that sets the switching points of the DE and DI inputs to be compatible with a lower supply voltage in mixed voltage systems.

For companion single RS-485 receivers in micro packages, please see the ISL3280E, ISL3281E, ISL3282E, ISL3283E, ISL3284E datasheet.

## Features

High ESD protection on RS-485 outputs  $\pm 16.5\text{kV}$  HBM

IEC61000-4-2 contact test method  $\pm 7\text{kV}$

Class 3 ESD level on all other pins  $> 8\text{kV}$  HBM

Specified for  $+125^\circ\text{C}$  operation ( $V_{\text{CC}} \leq 3.6\text{V}$  only)

Logic supply pin ( $V_{\text{L}}$ ) eases operation in mixed supply systems (ISL3298E only)

Hot plug - Tx outputs remain three-state during power-up

Low Tx leakage allows  $> 256$  devices on the bus

High data rates up to 20Mbps

Low quiescent supply current  $150\mu\text{A}$  (max)

Very low shutdown supply current  $1\mu\text{A}$  (max)

$-7\text{V}$  to  $+12\text{V}$  common-mode output voltage range ( $V_{\text{CC}} \leq 3.6\text{V}$  only)

Current limiting and thermal shutdown for driver overload protection ( $V_{\text{CC}} \leq 3.6\text{V}$  only)

Tri-statable Tx outputs

5V tolerant logic inputs when  $V_{\text{CC}} \leq 5\text{V}$

## Related Products



### [ISL83491IBZ](#)

Renesas Technology Corp  
SOIC-14



### [ISL3170EIUZ](#)

Renesas Technology Corp  
MSOP-10



### [ISL99227FRZ-T](#)

Renesas Technology Corp  
32-PowerWFQFN



### [ISL83078EIBZA](#)

Renesas Technology Corp  
SOIC-8



### [ISL83072EIBZA](#)

Renesas Technology Corp  
SOIC-8



### [ISL81487EIBZ](#)

Renesas Technology Corp  
SOP-8



[IS82C55AZ](#)

Renesas Technology Corp

PLCC-44



[ISL83387EIVZ](#)

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TSSOP-24