



# Upgrade of TFDU4xxx IRDC Series

## IRDC TRANSCEIVERS FOR THE NEXT DECADE

Uses the latest technology to ensure **the long term availability** of Vishay's IRDC products

Compliant to the latest IrDA physical layer specification (**9.6 kbit/s to 115.2 kbit/s**) and TV remote control, bidirectional operation included

**HALOGEN FREE**

**RoHS COMPLIANT**

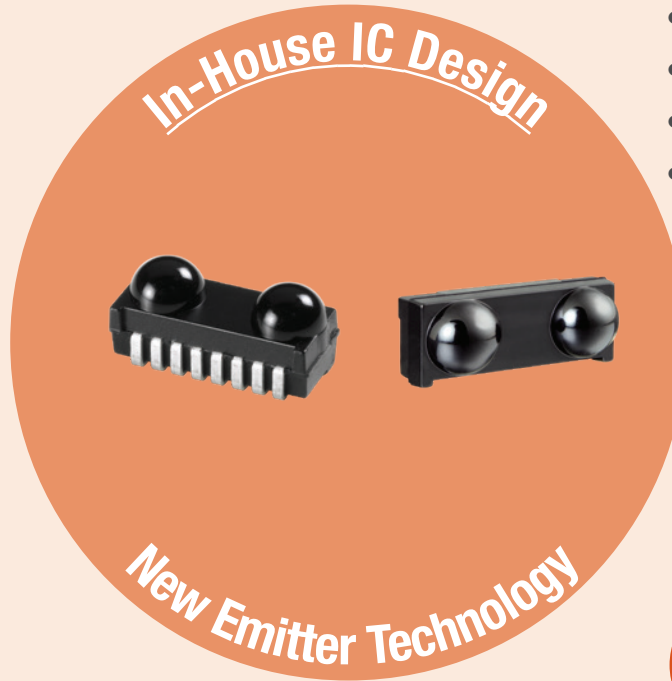
**GREEN [5-2008]**

**High efficiency** emitter to reduce power consumption (typ. supply current < 70  $\mu$ A)

**20 % longer distance** compared to the existing TFDU4 series

Improved ESD robustness: **2 kV HBM vs. 1 kV of TFDU4 series**

Functions below 2 V for **increased battery lifetime**



- No mechanical changes
- Plug and play solution for existing designs
- Backward-compatible
- Top- and side-view mountable

### APPLICATIONS

- Metering (gas, electricity)
- Atmosphere sensors
- Microphones and public address systems
- Medical diagnostic systems (blood glucose meters)



### SECURED LONG TERM SUPPLY

- Change to a new in-house designed IC utilizing the latest technology
- Change to a new surface emitting diode featuring the latest technology from Vishay Germany
- Package manufactured at Vishay Manila

Key Specifications	TFDU4101	TFDU4301
Data rate (kbit/s)	9.6 to 115.2	
Operating voltage (V)	2.4 to 5.5	
Idle supply current (mA)	0.07	
Standard link (m)	1	
Dimensions H x L x W (mm)	4 x 9.7 x 4.7	3.1 x 8.5 x 2.5

Leading design in support: [irdasupportAM@vishay.com](mailto:irdasupportAM@vishay.com)

© 2022 VISHAY INTERTECHNOLOGY, INC. ALL RIGHTS RESERVED.

IG26295911-2209