

Automotive Bi-directional ESD Protection Diode

The TESDA24VB6P02CX used for CANBUS FD (CAN with Flexible Data-Rate) are designed to safeguard differential communication lines from electrostatic discharge, surge pulses, electromagnetic interference, and fast transient disturbances commonly encountered in automotive and industrial environments. Because CAN-FD supports significantly higher data rates—typically from 5 Mbps to 8 Mbps—the protection device must feature extremely low parasitic capacitance so it does not load the bus, distort the differential eye diagram, or slow the signal edges.



Official Website



X

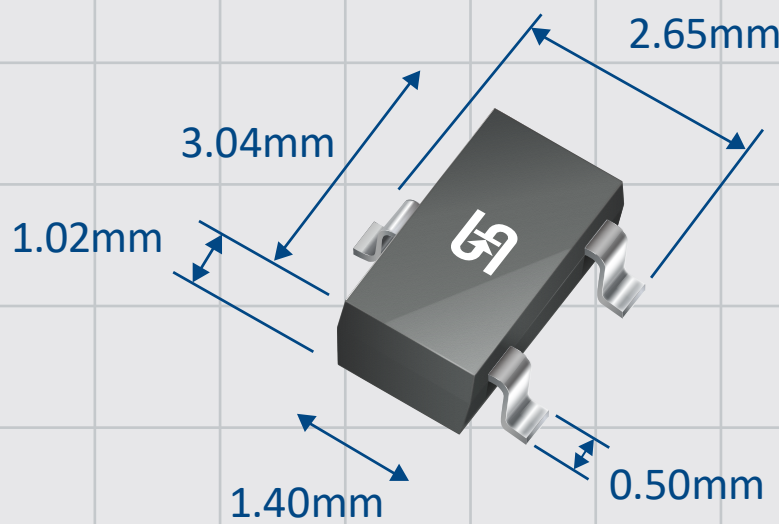


LinkedIn

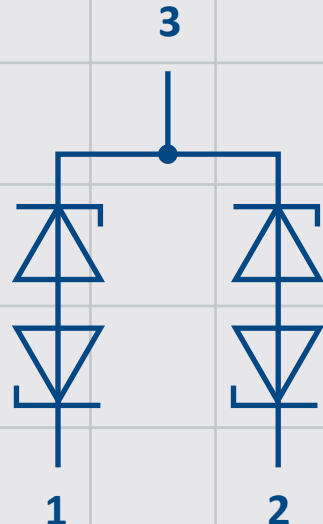
For more information: marketing@ts.com.tw

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PACKAGE



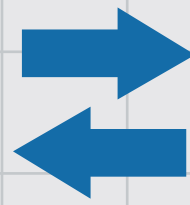
SOT-23



FEATURES



AUTOMOTIVE QUALIFIED
AEC-Q101



ESD PROTECT
FOR 2 LINE WITH
BIDIRECTIONAL

24V

24V AND BELOW
OPERATING VOLTAGE

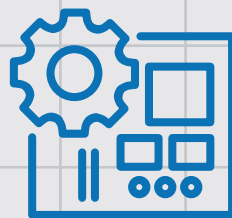


PROTECT I/O LINE
OR POWER LINE

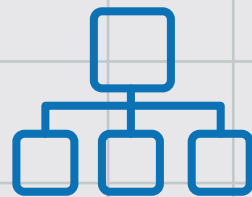
APPLICATIONS



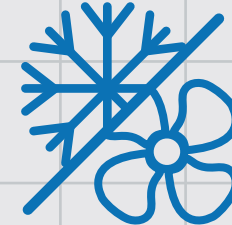
IN-VEHICLE
NETWORK LINES



INDUSTRIAL
CONTROL
SYSTEMS



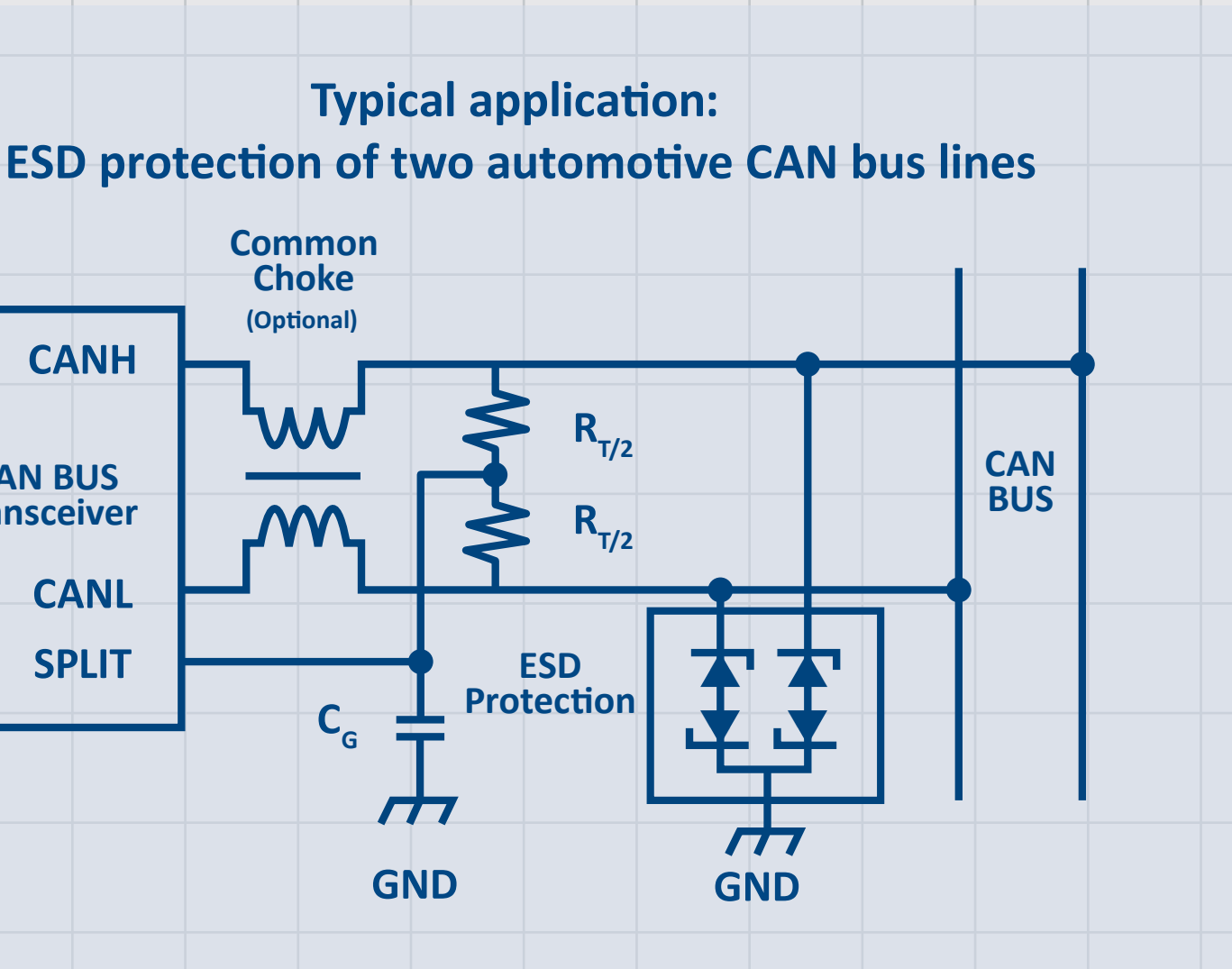
CAN BUS



HVAC SYSTEMS

SPECIFICATION

Part number	V _{WM}	C _j max	ESD robustness (IEC61000-4-2)	IPPM (at tp= 8/20μs)
TESDA24VB6P02CX	24V	6pF	20KV	2.6A



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