


Digital Isolator CMOS 2-CH 25Mbps 8-Pin SOIC T/R

Manufacturer:	Texas Instruments, Inc
Package/Case:	SOP8
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

ISO732x provide galvanic isolation up to 3000 VRMS for 1 minute per UL and 4242 VPK per VDE. These devices have two isolated channels comprised of logic input and output buffers separated by silicon dioxide (SiO₂) insulation barriers. ISO7320 has both channels in the same direction while ISO7321 has the two channels in opposite direction. In case of input power or signal loss, default output is 'low' for devices with suffix 'F' and 'high' for devices without suffix 'F'. See Device Functional Modes for further details. Used in conjunction with isolated power supplies, these devices prevent noise currents on a data bus or other circuits from entering the local ground and interfering with or damaging sensitive circuitry. ISO732x have integrated noise filters for harsh industrial environment where short noise pulses may be present at the device input pins. ISO732x have TTL input thresholds and operate from 3 V to 5.5 V supply levels. Through innovative chip design and layout techniques, electromagnetic compatibility of ISO732x have been significantly enhanced to enable system-level ESD, EFT, Surge and Emissions compliance.

Key Features

- Integrated noise filter on the inputs
- Low power consumption
- Typical ICC per channel at 1Mbps
- 65kV/μs Transient immunity
- Robust electromagnetic compatibility (EMC)
- System-level ESD, EFT and surge immunity
- Low emissions
- Green product and no Sb/Br

Application

Industrial, Motor Drive & Control, Power Management

Recommended For You

ISO7221BDR

Texas Instruments, Inc
SOP8

ISO7740FDWR

Texas Instruments, Inc
SOIC-16

ISO1432BDWR

Texas Instruments, Inc
SOIC16

ISO7341CQDWRQ1

Texas Instruments, Inc
SOP-16

ISO7760FQDBQRQ1

Texas Instruments, Inc
SSOP-16

ISO7421EDR

Texas Instruments, Inc
SOP8

ISO7720DR

Texas Instruments, Inc
SOP8

ISO7720FQDRQ1

Texas Instruments, Inc
SOP8

ISO6721FBQDRQ1

Texas Instruments, Inc
SOIC-8

ISO7721FQDRQ1

Texas Instruments, Inc
SOP8

ISO7721FDR

Texas Instruments, Inc
SOP8

ISO1540QDRQ1

Texas Instruments, Inc
SOP8

ISO7760DBQR

Texas Instruments, Inc
SSOP-16

ISO7421AQDRQ1

Texas Instruments, Inc
SOP8

ISO7731FQDWRQ1

Texas Instruments, Inc
SOIC-16