

Features

- Convert $\pm 80V$ digital signal to 0-5V.
- High noise immunity.
- Rugged epoxy filled.
- Small size.
- Industry standard mini sure-seal[®] connector.

Description

The DTCSCH squares up slow input rise and fall times. Due to hysteresis voltage of the Schmitt trigger, the DTCSCH finds applications in noisy environment where the signal levels are above and below standard TTL values.

Installation

- Connect the signal's source to the flying lead of the DTCSCH.
- Connect the sensor to an analog input of the system: A, B or C. Carefully align indexing rib when mating mini sure-seal[®] connectors.
- Do not expose sensor to water, oil or fuel.
- Do not place the detector near sources of interferences, such as ignition coils, plug leads, electronic modules or antennas.
- Verify that the cable is not trapped or stretched by surrounding moving parts.
- Do not bend cable with curvature radius less than 1.60" [40 mm].
- Avoid exposing the detector to extreme vibrations.

Specifications

| Description | Symbol | Min | Typ | Max | Unit |
|------------------------|------------|-----------|-----|----------|-------|
| Power Supply | | | | | |
| Input Voltage | V_{In} | 9 | | 30 | V |
| Input Current @12V | I_{In} | | 4 | | mA |
| Output Characteristics | | | | | |
| Output Voltage | V_{Out} | 0 | | 5 | V |
| Operating Temperature | T_{Oper} | -30 (-22) | | 85 (185) | C (F) |

