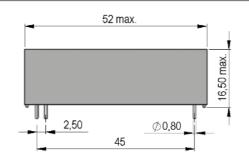
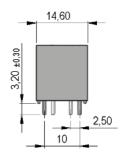


Series Datasheet - 528 Optocouplers

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528 Series Optocouplers





- Features: Optocoupler for Intrinsically Safe Circuits
- Applications: Electronics for Mining, Test & Measurement, Automation Technology
- Markets: Oil & Gas Production, Refinery, Mining, Medical, Test and Measurement, and others

Part Description: 5 2 8 - 0 0 - 0

| Customer Options | | I I min |
|-----------------------------------------------------|------------------|---------|
| Coupler Characteristics | | Unit |
| Isolation Voltage Input / Output (min.) | 10,000 | VDC |
| Current Transfer Ratio (min.) Ic/If CTR (If = 10mA) | 0.9 | |
| Turn On Time (typ.) | 5.5 | μsec |
| Turn-Off Time (typ.) Toff | 4.2 | μsec |
| Collector-Ermitter Voltage (max.) | 70 | VDC |
| Collector Current Ic (max.) | 50 | mA |
| Creeping Distance (min.) | 42.0 | mm |
| Air Path Input / Output (min.) | 42.0 | mm |
| Insulation Distance Ermitter-Detecto (min.) | 5 | mm |
| Insulation Resistance Input / Output (min.) | 10 ¹² | Ohm |
| Transmission Frequencies (typ.) | 50 | kHz |



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| Housing and Material Specifications | | |
|-------------------------------------|------------------|--|
| Housing Material | Plastic | |
| Case Color | Grey | |
| Sealing Compound | Polyurethan | |
| Connection Pins | Cu-Alloy, Tinned | |
| Washability | Fully Sealed | |

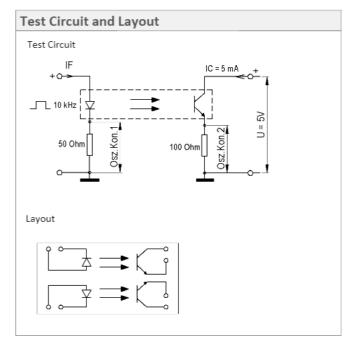
| Environmental Data | | Unit |
|-----------------------------------------------------|------------|------|
| Shock Resistance (max.) 1/2 sine wave duration 11ms | 50 | g |
| Vibration Resistance (max.) | 20 | g |
| Operating Temperature | -40 to 85 | °C |
| Storage Temperature | -40 to 100 | °C |
| Soldering Temperature (max.) 5 sec. max. | 260 | °C |

Handling Instructions

It is advised that normal static precautions be taken in handling and assembly of this component to prevent damage and/or degradation which may be induced by ESC.









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