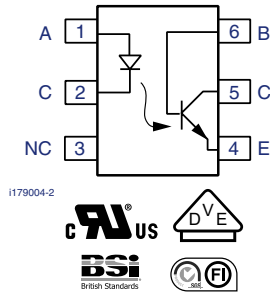


Optocoupler, Phototransistor Output, with Base Connection



21842



FEATURES

- Isolation test voltage 5000 V_{RMS}
- Long term stability
- Industry standard dual-in-line package
- Compliant to RoHS directive 2002/95/EC and in accordance to WEEE 2002/96/EC

AGENCY APPROVALS

- Underwriters lab file no. E52744
- DIN EN 60747-5-5 (VDE 0884)
- BSI IEC 60950 IEC 60065
- FIMKO

DESCRIPTION

The CNY17 is an optically coupled pair consisting of a gallium arsenide infrared emitting diode optically coupled to a silicon NPN phototransistor.

Signal information, including a DC level, can be transmitted by the device while maintaining a high degree of electrical isolation between input and output.

The CNY17 can be used to replace relays and transformers in many digital interface applications, as well as analog applications such as CRT modulation.



Optocoupler, Phototransistor Output, Vishay Semiconductors
with Base Connection

Notes

- (1) $T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified.
Stresses in excess of the absolute maximum ratings can cause permanent damage to the device. Functional operation of the device is not implied at these or any other conditions in excess of those given in the operational sections of this document. Exposure to absolute maximum ratings for extended periods of the time can adversely affect reliability.
- (2) Refer to wave profile for soldering conditions for through hole devices.

Note

- (1) $T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified.
Minimum and maximum values were tested requien3 7 6 0 0 6 .6 132.56.9(unless8emT 15.9(ts.0 Tc -0TypT 0 -7.5(r9qui) a0.0304 T2.2331 can adversely





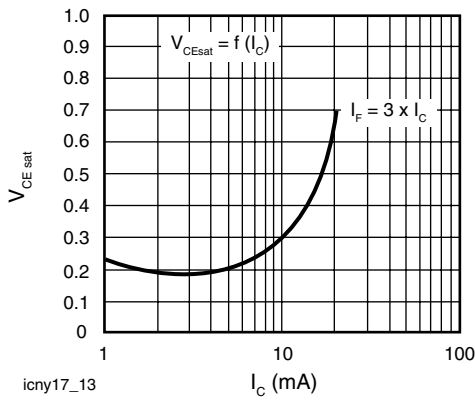


Fig. 13 - Saturation Voltage vs. Collector Current and Modulation Depth CNY17-1

Fig. 16 - Saturation Voltage vs. Collector Current and Modulation Depth CNY17-4

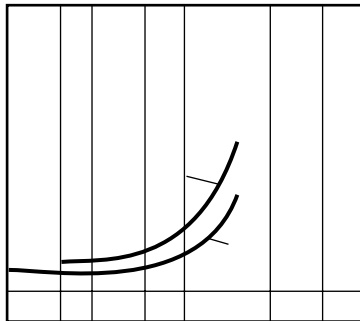


Fig. 14 - Saturation Voltage vs. Collector Current and Modulation Depth CNY17-2

Fig. 17 - Permissible Power Dissipation for Transistor and Diode

Fig. 15 - Saturation Voltage vs. Collector Current and Modulation Depth CNY17-3



