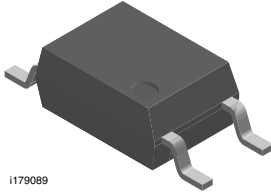
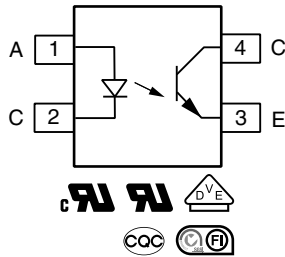


VOM617A

NS



i179089



DESCRIPTION

The 110 °C rated VOM617A has a GaAs infrared emitting diode emitter, which is optically coupled to a silicon planar phototransistor detector, and is incorporated in a 4 pin 100 mil lead pitch miniflat package. It features a high current transfer ratio, low coupling capacitance, and high isolation voltage.

These coupling devices are designed for signal transmission between two electrically separated circuits.

AGENCY APPROVALS

(All parts are certified under base model VOM617A)

- UL1577, file no. E52744
- cUL tested to CSA 22.2 bulletin 5A
- DIN EN 60747-5-5 (VDE 0884-5), available with option 1
- FIMKO EN 60065 and EN 60950-1
- CQC GB8898-2011, GB4943.1-2001

FEATURES

- Operating temperature from - 55 °C to + 110 °C
- SOP-4 mini-flat package
- Isolation test voltage, 3750 V_{RMS}
- Low saturation voltage
- Fast switching times
- Low coupling capacitance
- End-stackable, 0.100" (2.54 mm) spacing
- CTR range 40 % to 600 %, I_F = 5 mA
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912



RoHS
COMPLIANT

APPLICATIONS

- PLCs
- Telecommunication
- Lighting control system
- Solar inverters
- AC drives





- Minimum and maximum values are testing requirements. Typical values are characteristics of the device and are the result of engineering

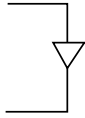


Fig. 2 - Test Circuit

Fig. 3 - Test Circuit and Waveforms

- As per DIN EN 60747-5-5 (VDE 0884), § 7.4.3.8.2, this optocoupler is suitable for “safe electrical insulation” only within the safety ratings. Compliance with the safety ratings shall be ensured by means of protective circuits.



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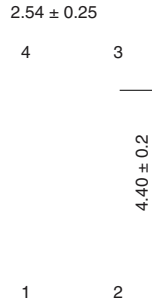


Vishay Semiconductors





PACKAGE DIMENSIONS in millimeters



PACKAGE MARKING (example of VOM617A-3X001T)

- Only option 1 is reflected in the package marking with the characters “X”.
- Tape and reel suffix (T) is not part of the package marking.

TAPE AND REEL DIMENSIONS in millimeters

Fig. 16 - Reel Dimensions (3000 units per reel)

Fig. 17 - Tape Dimensions

