



OPTOCOUPLERS

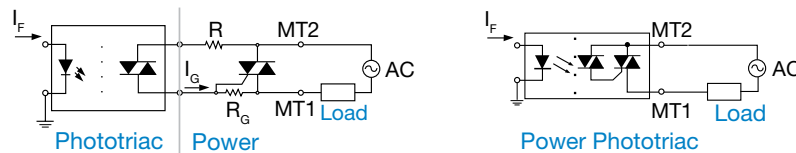
VO2223/VO2223A



Power Phototriacs in DIP-8 package

FEATURES

- Integrated phototriac and power TRIAC in DIP-8 package
- On-state current up to 1 A_{RMS}, blocking voltage of 600 V



BENEFITS

- Saves 50 % board space compared to DIP-16 devices and 90 % compared to discrete components solutions
- Reduces cost
- Drives resistive or inductive loads of up to 1.0 A
- Crosses to industry-standard power phototriac

Datasheets are available on our web site at www.vishay.com
<http://www.vishay.com/doc?81166>
<http://www.vishay.com/doc?81924>

SAFETY

- Certified by key international safety regulatory agencies such as UL, CUL, and VDE

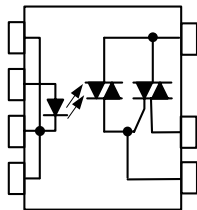
APPLICATIONS

- Household appliances
- AC motor drives
- Solenoid and valve controls
- Temperature (HVAC) and lighting controls

Vishay's new NZC power phototriac with dV/dt of 500 V/ μ s complements our existing broad phototriac offering, which includes devices with the highest dV/dt rating in the industry at 10 kV/ μ s.

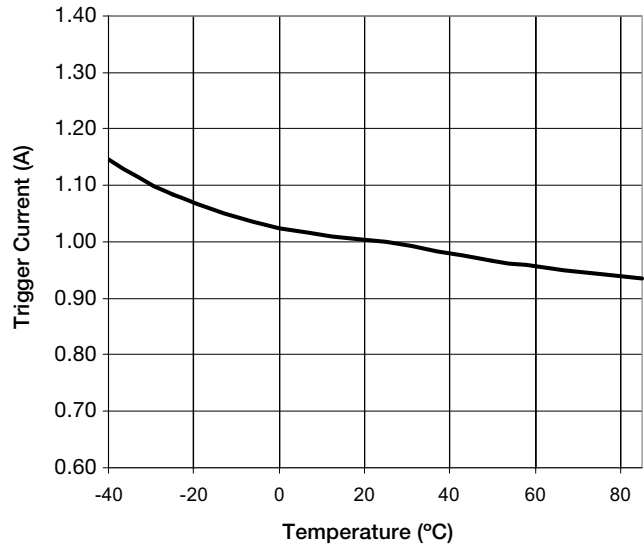
The VO2223/VO2223A are designed for applications where load current is limited to 1 A_{RMS}. These new devices eliminate the need for an external power TRIAC, saving on board space and costs.

NON-ZERO CROSS POWER PHOTOTRIAC

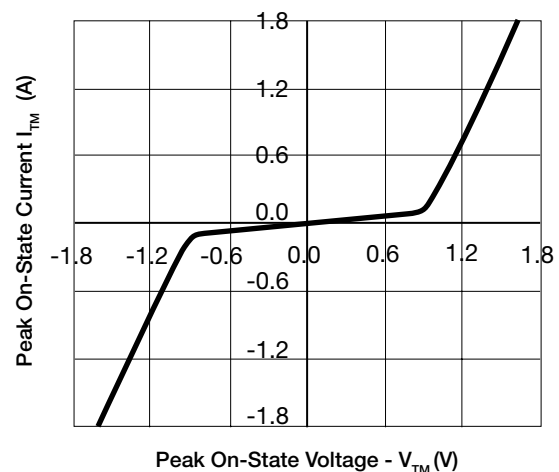


| I _T LOAD CURRENT | CROSSING TYPE | PRODUCT |
|-----------------------------|---------------|---------|
| 0.9 A | NZC | VO2223 |
| 1.0 A | NZC | VO2223A |

Normalized Trigger Input Current vs Temperature



Peak On-State Voltage vs Peak On-State Current



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