

Low Input Current Optocouplers with Phototransistor Output



FEATURES

- Offered in SOP-4 mini-flat packages
- Nine current transfer ratio (CTR) ranges from 40 % to 600 %
- Low input drive current down to 1 mA
- Certified to UL, CSA, VDE, Fimko and CQC safety standards

BENEFITS

- Save up to 30 % PCB space with SOP-4 package in comparison to DIP-4 package
- End stackable with 2.5 mm (100 mil) spacing
- Nine CTR ranges provide designers with increased flexibility
- Low system standby power consumption

RESOURCES

- Datasheets:
 - VOM617A <http://www.vishay.com/doc?83446>
 - VOM618A <http://www.vishay.com/doc?83449>
- Optocoupler product portfolio: <http://www.vishay.com/optocouplers/>
- Technical support: optocoupleranswers@vishay.com
- Sales contacts: <http://www.vishay.com/doc?99914>
- Material categorization: For definitions of compliance, please see <http://www.vishay.com/doc?99912>





OPTOCOUPLERS

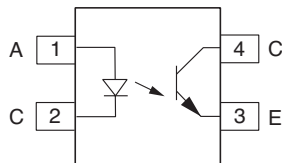
VOM617A, VOM618A

APPLICATIONS

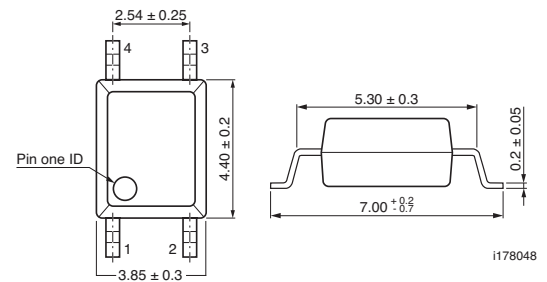
- Switch-mode power supplies
- AC adapters
- Motor drivers
- Solar inverters
- Home appliances
- Networking switches
- Telecom line cards



SOP-4 PACKAGE

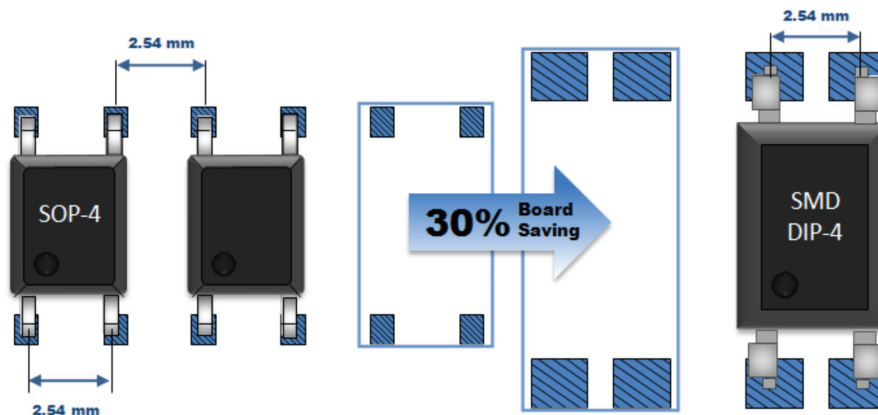


PACKAGE DIMENSIONS



Product	Input Current (I _F)	Collector Emitter Voltage (V _{CEO})	Insulation Test Voltage (V _{ISO})	Creepage/Clearance Distance	Insulation Thickness
VOM618A	1 mA	80 V	3750 V _{RMS}	≥ 5 mm	≥ 0.4 mm
VOM617A	5 mA				

Option	CTR
none	50 % to 600 %
-1	40 % to 80 %
-2	63 % to 125 %
-3	100 % to 200 %
-4	160 % to 320 %
-5	50 % to 100 %
-7	80 % to 160 %
-8	130 % to 260 %
-9*	200 % to 400 %



Available in VOM617A series only*

Optocouplers - Low Input Current, SOP-4 Package Phototransistors