

New Product Info



Product Group: Vishay Semiconductors, Optoelectronics / May 2012

Author: Tracy Li **Tel:** +1 408-567-8357

E-mail: tracy.li28@vishay.com

Vishay Launches New VOM3052, VOM3053 and VOM160 Non-Zero Crossing Phototriac Optocouplers in Compact, Environmentally Green SOP-4 Package

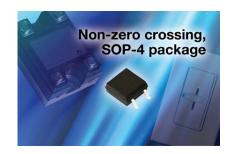
The News:

Vishay Releases Five New Non-Zero Crossing Phototriacs in Industry-Standard SOP-4 Package

Vishay Intertechnology, Inc. (NYSE: VSH) broadens its optoelectronics portfolio with the release of five non-zero crossing phototriacs in the compact, industry-standard SOP-4 package. The new devices are electrically equivalent to Vishay's VO305x in the SMD DIP-6 package, but save up to 66 % board space by comparison. Vishay will continue to offer the DIP-6 VO305x series alongside the new VOM160xT and VOM305xT in the SOP-4.

Product Features:

- Industry-standard SOP-4 package
- Package height of only 2.0 mm
- Saves up to 66 % in PCB space compared to a DIP-6 SMD package
- Rated for up to 1.5 kV/µs dV/dt noise immunity
- I_{FT} trigger current options of 5 mA, 7 mA, and 10 mA
- Blocking voltage of 600 V



Key Specifications

VO305xT & VOM160xT SOP- 4 Package Non-Zero Crossing Phototriac						
	Product	I _{FT}	dV/dt	V _{DRM}	V _{ISO}	
		(mA)	Min (V/μs)	(V)	(V _{RMS})	
	VOM3053T	5	1500 500	600	3750	
	VOM3052T	10				
(A) (B) (II)	VOM160NT	5				
ROYS GRAND COC	VOM160PT	7				
	VOM160RT	10				



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Market Applications:

- Consumer Appliances
 - Refrigerators
 - o Washers
 - o Air conditioners
 - Vacuum cleaners
 - o Coffee makers
 - o Rice cookers
- Industrial
 - o AC solid-state relays
 - Security alarm systems
 - Motor control
 - o PLC control

The Perspective:

Vishay's new non-zero crossing phototriac family enables engineers to save board space with a compact SOP-4 solution while enjoying high noise immunity of up to 1.5 kV/μs.

Availability:

Samples and production quantities of the new VOM3052, VOM3053 and VOM160 non-zero crossing phototriacs are available now, with lead times of 6 to 8 weeks.

To access the product datasheets on the Vishay Web site, go to http://www.vishay.com/doc?81349 (VOM160)
http://www.vishay.com/doc?83492 (VOM3052, VOM3053)

Contact Information:

The Americas	Europe	Asia/Pacific
Dale Henderson	Kai Rottenberger	Jason Soon
+1 408-567-8317	+49 7131 672113	+65 67807879
Dale.Henderson@Vishay.com	Kai.Rottenberger@vishay.com	Jason.Soon@vishay.com