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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/ μ s 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} (mA)	dV/dt Min (V/ μ s)	V_{DRM} (V)	V_{ISO} (V_{RMS})
	VOM3053T	5	1500	600	3750
	VOM3052T	10			
	VOM160NT	5	500		
	VOM160PT	7			
	VOM160RT	10			



Market Applications:

- Consumer Appliances
 - Refrigerators
 - Washers
 - Air conditioners
 - Vacuum cleaners
 - Coffee makers
 - Rice cookers
- Industrial
 - AC solid-state relays
 - Security alarm systems
 - Motor control
 - 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/ μ s.

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)

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