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New VDMx10x0 and VDMx10A1 Series of SMD 7-Segment LED Displays

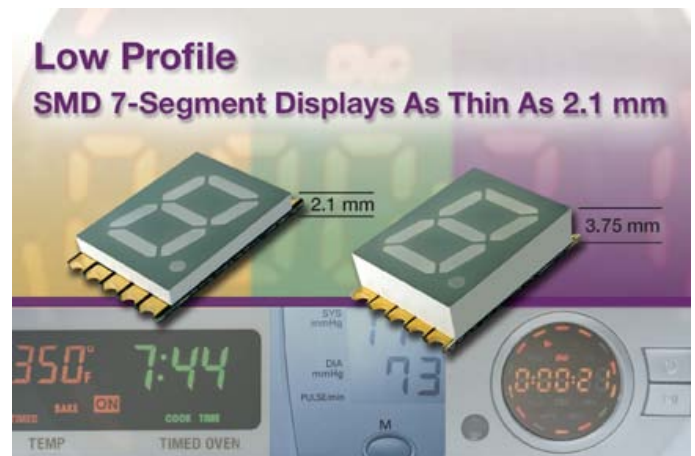
The News:

Vishay Intertechnology Announces New 10 mm Standard SMD 7-Segment LED Displays With Low Profiles Down to 2.1 mm

Vishay Intertechnology, Inc. (NYSE: VSH) announces two new series of 10 mm standard surface-mount 7-segment LED displays in compact, low-profile packages with high luminous intensity to 2750 μcd for a wide range of applications.

Product Benefits:

- Utilize AlInGaP on GaAs chip technology
 - Provides high luminous intensity up to 2750 μcd typ.
- Available in super red, soft orange, yellow, and green
- Offer evenly lighted, untinted segments and grey package surfaces
- Low package heights
 - VDMx10A1: 2.1 mm
 - VDMx10x0: 3.75 mm
- Available in common anode and cathode configurations
- $\pm 50^\circ$ angle of half intensity
- Maximum forward voltage of 2.6 V for low power consumption
- Suitable for high peak currents up to 60 mA per segment
- Grouped by luminous intensity
- Yellow, green, and soft orange displays categorized by color
- RoHS compliant
- Compatible with IR-reflow soldering processes
- Preconditioned according to JEDEC Level 3





The Key Specifications:

Part #	Color	Luminous intensity min/typ (μcd)	@I _F (mA)	Wavelength typ. (nm)	@ I _F (mA)	Circuitry
VDMR10A0	Super red	180 / 650	1	631	20	Common anode
VDMR10C0	Super red	180 / 650	1	631	20	Common cathode
VDMO10A0	Soft orange	180 / 650	1	605	20	Common anode
VDMO10C0	Soft orange	180 / 650	1	605	20	Common cathode
VDMY10A0	Yellow	1100 / 2750	1	589	20	Common anode
VDMY10C0	Yellow	1100 / 2750	1	589	20	Common cathode
VDMG10A0	Green	110 / 400	1	572	20	Common anode
VDMG10C0	Green	110 / 400	1	572	20	Common cathode
VDMR10A1	Super red	450 / 1600	1	631	20	Common anode
VDMO10A1	Soft orange	180 / 650	1	605	20	Common anode
VDMY10A1	Yellow	450 / 1600	1	587	20	Common anode
VDMG10A1	Green	110 / 500	1	572	20	Common anode

Market Applications:

- Control units and panel meters for test and measurement equipment, point-of-sale terminals, telecom systems, office equipment, consumer electronics, and medical equipment

The Perspective:

Utilizing AllnGap on GaAs chip technology for high luminous intensity up to a typical value of 2750 μcd, the VDMx10x0 and VDMx10A1 series displays provide designers with an alternative to leaded 7-segment displays in control units and panel meters for any device offering numeric digital readouts. LED displays in the VDMx10A1 series feature common anode configurations and very low package heights of 2.1 mm. VDMx10x0 series devices are available in both common anode and cathode configurations and offer package heights of 3.75 mm.

Availability: Samples and production quantities of the VDMx10x0 and VDMx10A1 series are available now, with lead times of six weeks for larger orders.

To access the product datasheets on the Vishay Web site, go to
<http://www.vishay.com/doc?84196> (VDMR10.0, VDMO10.0, VDMY10.0, VDMG10.0)
<http://www.vishay.com/doc?84197> (VDMR10A1, VDMO10A1, VDMY10A1, VDMG10A1)

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