

High-Brightness SMT Tricolor LEDs Are Water Resistant



Avago Technologies announced it has developed compact high-brightness water-resistant tricolor surface mount light-emitting diodes (LEDs) for use in indoor and outdoor full color signs and displays. The company's ASMT-YTBO plastic leaded chip carrier (PLCC)-6 Blackbody and ASMT-QTCO industry standard PLCC-4 LEDs have been enhanced to make them water-resistant. As a result, a protection cover is not needed saving money for indoor and outdoor display designers. These compact tricolor LEDs are suitable for use in electronic video screens and advertising signs used in transit malls, airports, and stadium scoreboards. The enhanced ASMT-YTBO LEDs provide full color display application designers with desirable color control and contrast, a 115-degree viewing angle, and they are specially designed to meet indoor and outdoor LED screen requirements for better screen resolution (>12 mm pixel size), and high-brightness performance. They also have six leads to enable enhanced thermal management and individual color control of each chip to display a multitude of colors including white. With dimensions of 4.4 mm by 4.4 mm x 3.5 mm, these LEDs also incorporate silicone material to extend light output performance over time.

Avago Technologies

800-235-0312, www.avagotech.com [1]

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