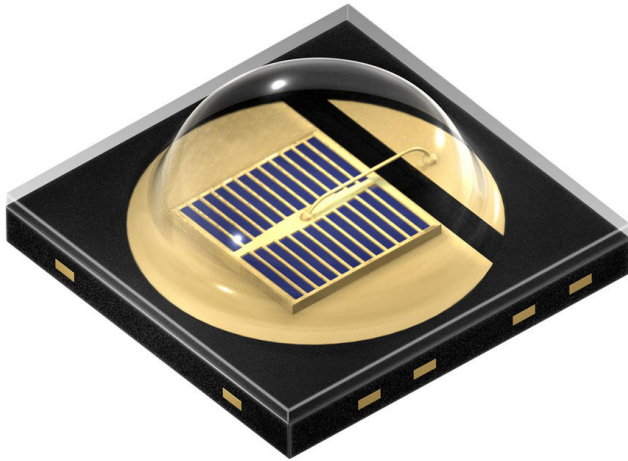


New Osram Infrared Light Emitting Diode with Wide Beam Angle

MDT Staff



Oslon black SFH 4716S delivers high output in a compact package for gesture detection

The new infrared (IRED) Oslon black SFH 4716S from Osram Opto Semiconductors (Sunnyvale, CA) is one of the most powerful IREDs on the market, with an optical output of 1030 milliwatts (mW) and a beam angle of 150 degrees. It offers illumination at a range of a few yards/meters and is ideal for gesture detection systems linked to computer games or for optical safety systems in the automotive sector. With external optics and tight focusing, even distant objects can be perfectly illuminated with infrared light.

The new Oslon black is the ideal solution wherever gesture detection is involved. This high-power IRED illuminates the relevant area so that a camera sensor can detect movement, which will then be used to control a computer or enter text. The wide beam angle of 150 degrees ensures that the near-field area is uniformly illuminated and gestures are reliably detected. Text can therefore be entered, for example, even if the hand is a few centimeters away from the keyboard. The SFH 4716S is also certified in accordance with the automotive standard AEC-Q101 so it can be used in safety-related applications such as driver monitoring or seat occupancy detection systems.

For more information, visit www.osram-os.com [1].

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