POLYMATECH CoB · 30 MM PLATFORM

Blue 450 nm CoB

Blue-emission chip-on-board LED

30 × 30 MM PACKAGE | 17 MM EMITTING SURFACE | 450 NM CLASS



Overview

A blue-emission chip-on-board LED on the Polymatech 30 mm platform. The wavelength convention, spectral bandwidth, radiant output and drive condition are confirmed for each ordered configuration.

Platform characteristics

Order code	FL18COB3030
Product focus	450 nm-class blue emission
Package outline	30.00 × 30.00 × 1.00 mm
Light-emitting surface	17.00 mm diameter circular emitting area
Substrate / thermal path	Aluminium base with electrically isolated thermal path
Mounting reference	Two 3.00 mm holes on the diagonal; M4 screw reference assembly
Thermal resistance	2 °C/W junction-to-case, design value; system thermal validation required
Drive method	Regulated constant-current drive; configuration-specific limits apply
Manufacturer	Polymatech Electronics Limited, India
Supplied in the United States by	Nisene Technology Group, Inc., Watsonville, California

Configuration selection

Parameter	Release position
Peak / dominant wavelength	Convention and tolerance confirmed in the controlled specification
Radiant output / FWHM	Configuration-specific
Electrical rating	Configuration-specific; constant-current drive required

Typical application areas

General illumination · Specialty lighting · Horticulture and controlled-environment applications · Machine vision and inspection

IMPORTANT The 450 nm designation identifies the product family; it is not a guaranteed bin or tolerance in this sheet.

Ordering and design-in

Before design-in or order acceptance, obtain the current configuration-specific specification covering ordering code, wavelength or CCT/CRI, electrical limits, optical or radiant output, test conditions, thermal requirements and applicable compliance declarations. Configuration-specific values are released against the approved quotation or order specification.

Enquiries

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