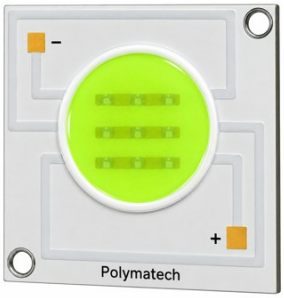
POLYMATECH CoB · 30 MM PLATFORM

Blue + Near-Infrared Dual-Band CoB

450 nm + 750 nm dual-band chip-on-board LED

30 × 30 MM PACKAGE | 17 MM EMITTING SURFACE | 450 + 750 NM



Overview

A dual-band chip-on-board LED on the Polymatech 30 mm platform, combining 450 nm blue and 750 nm near-infrared nominal channels.

Platform characteristics

Product focus	450 nm + 750 nm nominal channels
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
Wavelength tolerance / channel ratio	Configuration-specific; confirmed in the controlled specification
Optical / radiant output	Configuration-specific
Electrical rating	Configuration-specific; constant-current drive required

Typical application areas

Horticulture and controlled-environment agriculture · Indoor, vertical and greenhouse farming · Plant development · Research illumination

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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