

BLUE CoB SERIES

Blue-emission component platform for OEM illumination systems



30 x 30 mm PACKAGE	17 mm EMITTING SURFACE	COMMON MECHANICAL PLATFORM
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SERIES OVERVIEW

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

PLATFORM CHARACTERISTICS	GENERAL SERIES INFORMATION
Series focus	450 nm-class blue-emission family
Package outline	30.00 x 30.00 x 1.00 mm
Light-emitting surface	17.00 mm 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 deg C/W, junction-to-case design value; system thermal validation required
Drive method	Regulated constant-current drive; configuration-specific limits apply

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

Machine vision and inspection illumination | Signalling and specialist lighting | OEM spectral-lighting development

IMPORTANT	The 450 nm designation identifies the product family only; it is not a guaranteed bin or tolerance in this general series sheet.
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ORDERING AND DESIGN-IN

Before design-in or order acceptance, obtain the current configuration-specific controlled specification covering ordering code, wavelength or CCT/CRI, electrical limits, optical output, test conditions, thermal requirements and applicable compliance declarations.

DOCUMENT STATUS USA Website Release | Rev270826 | 27 August 2026 | General series information; not a guaranteed configuration specification.