POLYMATECH CoB · 30 MM PLATFORM

UV-C 270 nm CoB

UV-C chip-on-board LED for qualified OEM systems

30 × 30 MM PACKAGE | 17 MM EMITTING SURFACE | 270 NM

Overview

A UV-C chip-on-board LED on the Polymatech 30 mm platform, intended solely for integration by qualified equipment manufacturers. Radiant output, dose delivery and application efficacy depend on the complete system design and its validation.

Platform characteristics

Order code	FL09COB3030
Product focus	270 nm-class UV-C 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
Country of manufacture	India

Configuration selection

Parameter	Release position
Radiant output / spectrum	Configuration-specific; stated only in the controlled product specification
Electrical rating	Configuration-specific; no overdrive capability is stated
Efficacy / dose / safety	Must be established and validated for the complete OEM system

Typical application areas

OEM UV-C equipment development · Laboratory and industrial irradiation systems · Validated component-integration programmes

IMPORTANT No sterilisation, disinfection, dose or photobiological risk-group claim is made by this component sheet. UV-C exposure can cause serious eye and skin injury.

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

sales@polymatechworld.com · www.polymatechworld.com · Configuration-specific specifications on request