8°

CSR68581PBK

- * Phototransistor with separate Base for general purpose
- * Mountable in row with 5mm distance
- * Response Angle of typ. 8 degree with a pointed tip
- * Daylight filtered black housing
- * Mechanical matched with CQR6 -serie
- * SMT-Version CSS68581PBK



Symbol Тур MAX UNIT Test conditions Parameter MIN Ee = 1mW/cm² @940nm ; Vr=10V **Collector Light Current** 13 20 mΑ I Light Collector Dark Current 1 Ee = 0 mW/cm² ; Vr=10V I _{CEO} nA Collector Emitter Breakdown Voltage Ic = 100 µA ; Ib = 0 V (BR)CEO 30 V Emitter Collector Breakdown Voltage V (BR)ECO 5 V le = 100 µA ; lb = 0 V _{CEsat} Collector-Emitter Saturation Voltage V lb = 100µA lc = 2mA 0,3 Wavelength of Peak Sensitivity 860 max. sensitivity λ_{peak} nm λ_{0,5} Range of Spectral Bandwidth 720 1050 I = 10%, typical nm Fall Time Vce = 5V ; lc = 1mA ; RL = 1KΩ t f 15 μS 15 Vce = 5V ; lc = 1mA ; RL = 1KΩ t r **Rise Time** μS А Active Array 0,145 mm² ß Current Gain 500 1000 0 Vce = 5 V ; lc = 2mA 2Φ _{0,5} Full Response Angle 8 ΦE = 50% deg. Collector Emitter Capacitance 6 VR = 5V ; f = 1Mhz; Ee = 0mW/cm² pF C CEO Operating Temperature -30 85 °C T Operating T Storage Storage Temperature -30 100 °C Soldering Temperature 260 °C Iron Soldering; 5mm from case @ max 5 sec. T Soldering R thJA K/W Thermal Resistance 450 P_{tot} **Total Power Dissipation** 50 mW Tamb 25°C

Optical and Electrical Characteristics @Tambient =25°C

Order informations:

Bulk

CSR68581PBK-TC

CSR68581PBK

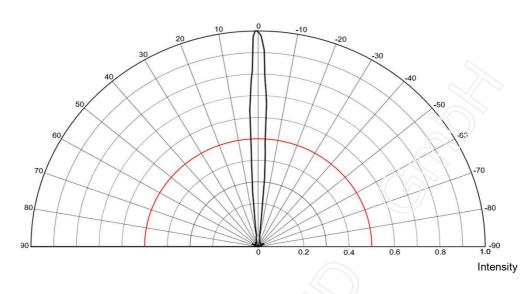
Bended according to customer specifications (on request)

CREATIVE LED GMBH reserves the right to make changes at any time in order to improve design and to supply the best product possible, contact us for latest device specification sheets before using.

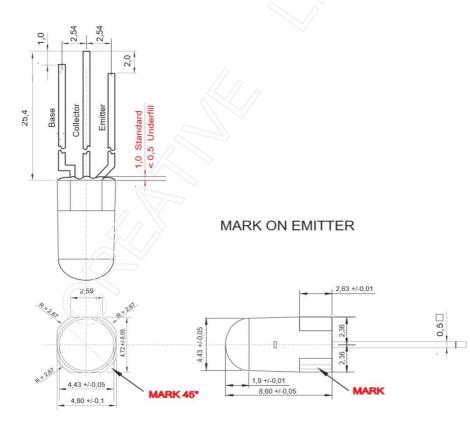
CREATIVE LED GMBH CSR68581PBK TDS1.1 1 - 2 DESIGNED BY LEDESIGN ENGINEERING EMAIL: SALES(@)CREATVELED.COM 25.04.2022

Relative Radiation Sensitivity

@ T_{ambient} = 25°C



Mechanical Drawing



Pls. Contact us for more technical detail information !

CREATIVE LED GMBH reserves the right to make changes at any time in order to improve design and to supply the best product possible, contact us for latest device specification sheets before using.