CREATIVE GMBH LED®

CQM45627FDP

1050nm



creativeled.com

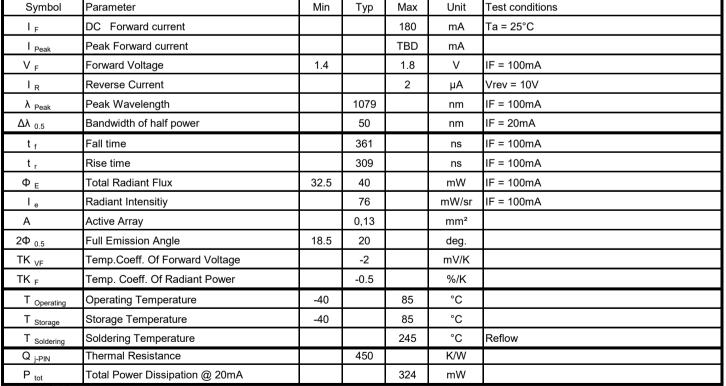
Features

- * High radiant flux
- * Thin film structure
- * UV resistant glass lens
- * Vertical electrode
- * High driving current
- Most efficient heat dissipation as backside can be soldered directly to heat sink (nonconductive)
- * RoHs and REACH conform



- * Disinfection
- * Phototherapy
- * UV curing
- * Fluorescent spectroscopy

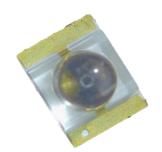
Optical and Electrical Characteristics @Tambient =25°C



^{*} values only for information

Pls. Contact us for more technical detail information!

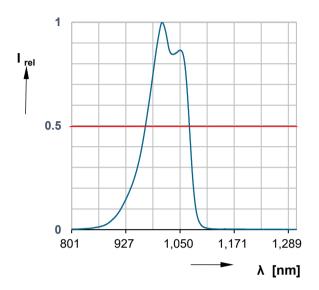
CREATIVE LED GMBH reserves the right to make changes at any time in order to improve design and to supply the best product possible, contact us for latest device specification sheets before using.



For questions, contact: SALES(@)CREATIVELED.COM

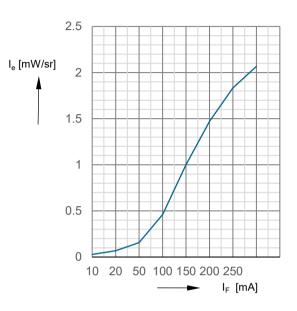
Relative Spectral Emission

@100mA @ T_{ambient} = 25°C



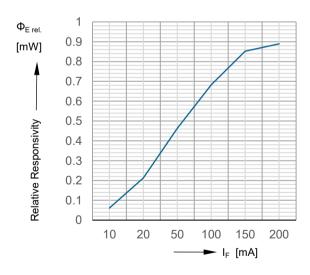
Radiant Intensity

@ T_{ambient} = 25°C



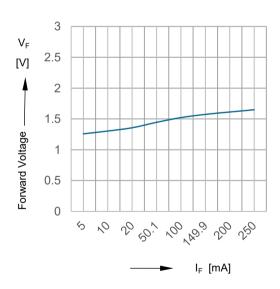
Relative Radiant Flux

@ T_{ambient} = 25°C



Forward Voltage

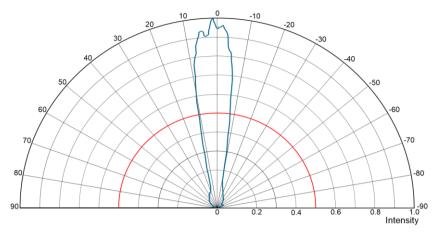
@ T_{ambient} = 25°C



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Relative Radiation Angle

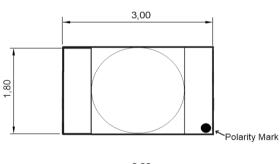
@20mA @ T_{ambient} = 25°C

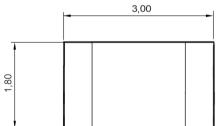


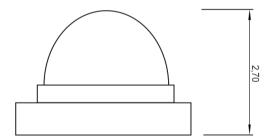
Order informations: CQM45627FDP

Taped in Reel (1500pcs/reel)

Mechanical Drawing

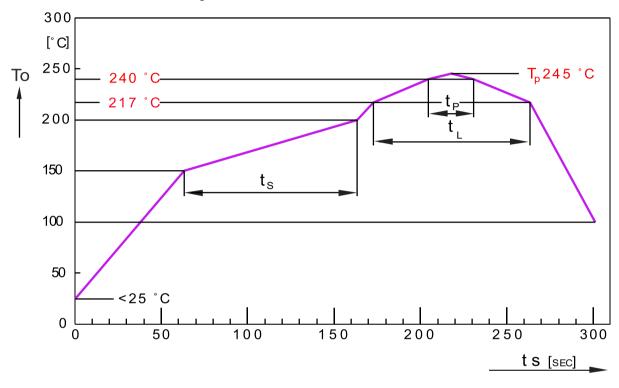






Reflow Soldering Profile

Reflow Soldering Profile
Prec onditioning: JEDEC Level 3 acc. to JEDEC J-STD-020D.01



PROFIL FEATURES		PB-FREE (SNAGCU) ASSEMBLY			
	SYMBOL	мінімим	RECOMMENDATION	махімим	UNIT
RAMP-UP RATE TO PREHEAT (1) 25 °C TO 150 °C			2	3	K/SEC
TIME T _S T _{SMIN} TO T _{SMAX}	Tg	60	100	120	SEC
RAMP-UP RATE TO PEAK (1) T _{BMAX} TO T _P			z	3	K/SEC
LIQUDUS TEMPERATURE	TL		217		°C
TIME ABOVE LIQUIDUS TEMPERATURE	TL		80	100	SEC
PEAK TEMPERATURE	Tp		240	245/260(2)	°C
TIME WITHIN 5 °C OF THE SPECIFIED PEAKTEMPERATURE	T _{P-5K}	10	20	30	SEC
RAMP DOWN RATE			3	6	K/SEC
T _P TO 100 °C					
TIME 25 °C TO T _P			300	480(2)	SEC

ALL TEMPERATURES REFERS TO THE CENTER OF THE PACKAGES, MEASURED ON THE TOP OF COMPONENT

- (1) SLOPE CALCULATION DT/DT: DT MAX.5 SEC.; FULFILLMENT FOR THE WHOLE T-RANGE
- (2) THESE MAXIMUM VALUES ARE STRONG DEPEND ON THE REFLOW-SOLDERING EQUIPMENT AND APPLICATION