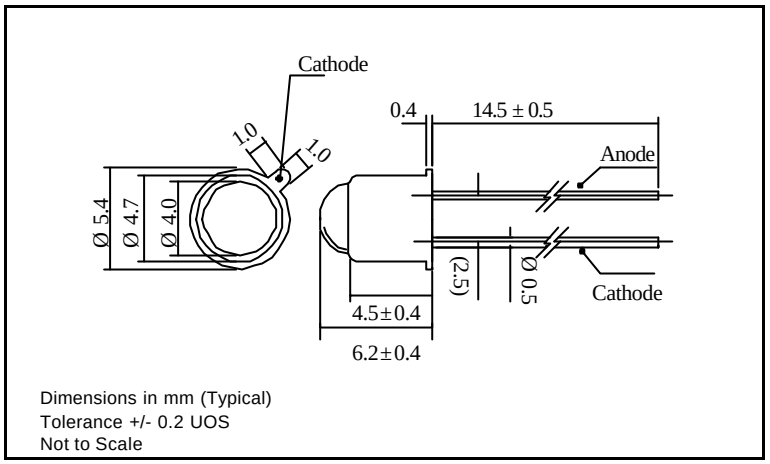
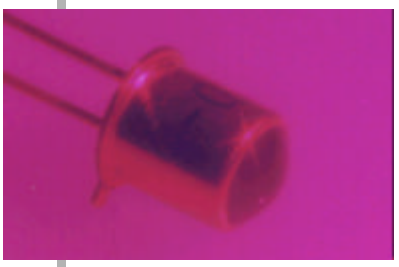
MARL OPTOSOURCE

DISCRETE LEDs - Ø 5mm Ultra-Violet



Dimensions in mm (Typical)
Tolerance +/- 0.2 UOS
Not to Scale

- Narrow viewing angle
- 370nm peak wavelength
- Also available in flat lens style (part no 260019)



260018 SERIES

MLQ = 50

Ordering Information & Typical Technical Characteristics (Ta = 25°C)

Mean Time Between Failure = 100,000 Hours. * Duty Cycle <=1/10, Pulse Width <= 10msec

PART NUMBER	COLOUR	TYP. FWD VOLTAGE V_f @ I_{opr}	MAX FWD VOLTAGE V_f @ I_{opr}	FORWARD CURRENT I_{opr}	MAX REV CURRENT $I_r(V_r=5V)$	OPTICAL POWER Po	SPECTRUM HALF WIDTH $\Delta\lambda$	VIEWING ANGLE $2\theta^1/_2$
OPTICAL / ELECTRICAL CHARACTERISTICS (T_a = 25°C)								
260018	Ultra-Violet	3.9		10	85	0.75	12	10
UNITS	Water Clear	V	V	mA	µA	mW	nm	deg

PART NUMBER	COLOUR	FORWARD CURRENT I_{opr}max	PEAK FWD CURRENT I_{fp} *	REVERSE VOLTAGE Vr max	POWER DISSIPATION $P_d$max	PEAK WAVELENGTH Typ. λ_p	OPERATING TEMP T_{opr}	STORAGE TEMP T_{stg}
ABSOLUTE MAXIMUM RATINGS (T_a = 25°C)								
260018	Ultra-Violet	15	30		60	370	-30 to +80	-40 to +100
UNITS	Water Clear	mA	mA	Vdc	mW	nm	°C	°C

PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE LEDs

Static Electricity and Surge

Static electricity and surge will damage the LED and a high standard of care must be taken during handling. It is recommended that a wristband, conductive mat or anti-electrostatic glove is used when handling the LEDs. All devices, equipment (e.g. soldering iron points) and machinery must be properly grounded.

SAFETY PRECAUTIONS FOR HANDLING HIGH BRIGHTNESS LEDs

Invisible Laser Radiation : Avoid direct eye exposure to UV light

Please refer to European Standard BSEN 100015-1 1992 for further information.

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