EPIGAP OSA

SPECIFICATIONS

EOLD-1060-015

Features:

- With lens, viewing angle 6°
- Color: IR. Wavelength 1060 nm Typical
- Package TO46
- Package size: 20.8 (total length) x 5.4 (header diameter) x 4.7 (cap diameter) mm
- Devices are ROHS and REACH compliant

• Typical Electro-Optical Characteristics

Measurement conditions $T_{ambient}$ = 23 °C; t_{test} ≤ 60 ms

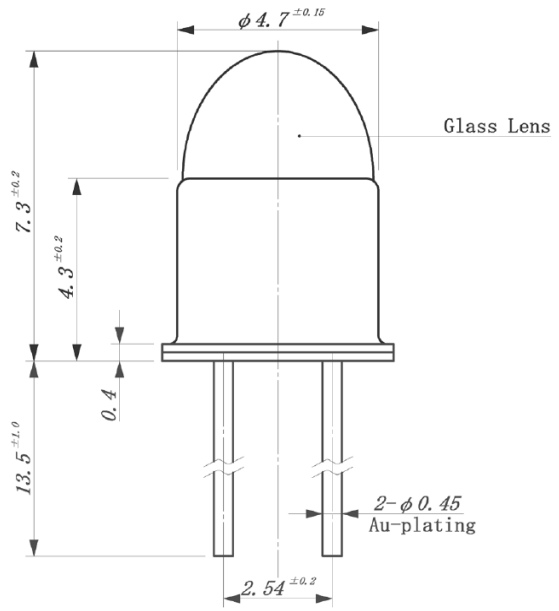
Parameter	Symbol	Condition	Min	Typ	Max	Unit
Emitting Color				Infrared		
Forward Voltage	U_f	I_f = 20 mA		1.15	1.4	V
		I_f = 100 mA		1.25	1.5	
Peak Wavelength	λ_P	I_f = 20 mA	1040	1060	1080	nm
FWHM	$\Delta\lambda$	I_f = 20 mA		80		nm
Radiant Power	Φ_e	I_f = 20 mA		1.6		mW
		I_f = 100 mA		8		
Reverse Current	I_R	U_R = 5 V			10	µA
Viewing Angle	θ			6		deg.

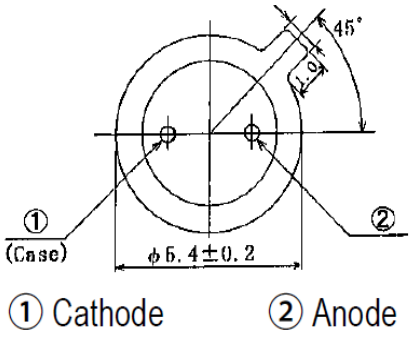
Maximum Ratings

Parameter		Symbol	Min	Max	Unit
Forward Current Flussstrom		$I_{f, max}$		100	mA
Forward Current, pulsed Flussstrom, gepulst	t_p ≤50µs, τ=1:100 µs	$I_{f, pulse}$		200	mA
Max. Power Disspation Maximale Verlustleistung		P_D		140	mW
Reverse Voltage Sperrspannung		U_R		5	V
Lead Soldering Temperature Löttemperatur	<5s, 3mm from case	T_{slg}		260	°C
Junction Temperature Sperrschichttemperatur		T_J		100	°C
Operating Temperature Betriebstemperatur		T_{op}	-20	+85	°C
Storage Temperature Lagertemperatur		T_{St}	-30	+100	°C

Outline Drawing

Unless otherwise specified, all drawing units are in mm
Tolerances are: ISO 2768-m

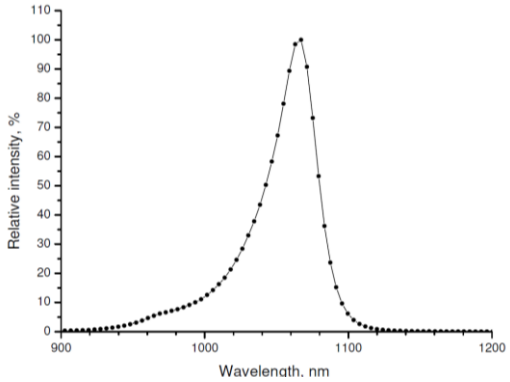




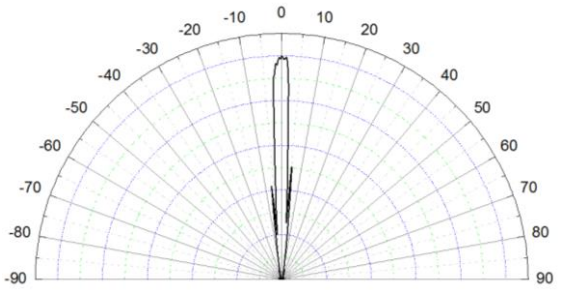
① Cathode ② Anode

Pin 1 – Cathode
Pin 2 – Anode

• Typical Performance Diagram



Relative Spectral Emission



Viewing Angle

Attention please

The information describes the type of component and shall not consider as assured characteristics. Terms of delivery and rights to change reserved. The data sheet may change without prior notification; The only valid issue and current revision will be on our website. Due to technical requirements, components may contain dangerous substances.

Parameters can vary in different applications. The customer must validate all operating parameters for each customer application. EPIGAP OSA Photonics GmbH does not have the responsibility for the reliability and the degradation behavior of products made with EPIGAP OSA Photonics GmbH diodes because they depend not only on the diode but also on the conditions of manufacture or design of the final products. The customer is responsible to ensure the long-term stability of the product according to customer's requirements. If components are used in toys or, life support systems, then EPIGAP OSA Photonics GmbH must expressly authorize use of components prior to incorporation into the customer's systems!

Packaging: EPIGAP OSA Photonics GmbH uses recyclable packages; please use the recycling operators known to you.

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