Yellow LED in PLCC-2 SMT Package (120° Viewing Angle)

OVS9YBCR7

Features:

- PLCC-2 SMT Package
- Compatible with automatic placement machine •
- Pb free and RoHS compliant

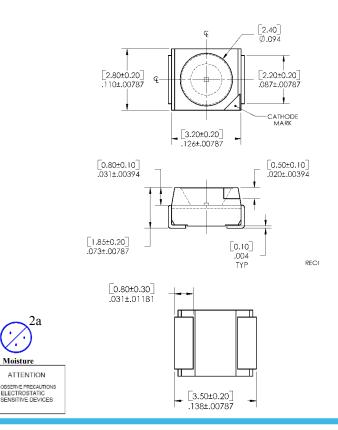
Description:

The **OVS9YBCR7** is a 120° yellow LED mounted in a plastic PLCC-2 SMT package. The device can be used for many applications in both indoor and outdoor environments.

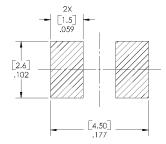
Applications:

- Interior automotive lighting .
- Indoor and outdoor displays
- Indicator •
- Backlighting •
 - (LCD, displays, switches, office equipment)
- General use .

Part Number	Material	Emitted Color	Intensity Typ. (mcd)	Lens Color
OVS9YBCR7	AllnGaP	Yellow	120	Water Clear



Recommended Soldering Pad





General Note

RoHS

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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Electronics

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Moisture

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Electrical Specifications

Absolute Maximum Ratings (T_A = 25° C unless otherwise noted)

Storage Temperature Range	-40 ~ +100° C
Operating Temperature Range	-40 ~ +100° C
DC Forward Current	30 mA
Peak Forward Current (I _{FP}) (10% Duty Cycle, PW ≤ 10 μs)	1000 mA
Reverse Voltage (V _R)	5 V
Current Linearity vs. Ambient Temperature	-0.5 mA/° C
LED Junction Temperature	125° C
Power Dissipation	82.5 mW

Electrical Characteristics (T_A = 25° C unless otherwise noted)

SYMBOL	PARAMETER	MIN	ТҮР	MAX	UNITS	TEST CONDITIONS
I _V	Luminous Intensity ¹	71.5	120		mcd	I _F = 20 mA
V _F	Forward Voltage ²		2.0	2.75	V	I _F = 20 mA
I _R	Reverse Current			10	μΑ	V _R = 5 V
2 0½	50% Power Angle		120		deg	I _F = 20 mA
λ_{D}	Dominant Wavelength ³	582	589	594	nm	I _F = 20 mA
Δλ	Spectral Half Width		25		nm	I _F = 20 mA

Notes:

- 2. Tolerance of measurement of V_{F} is $\pm 0.05 V.$
- 3. Tolerance of measurement of dominant wavelength is ±1 nm.
- 4. For cleaning, an alcohol-based solvent such as isopropyl alcohol (IPA) is recommended.

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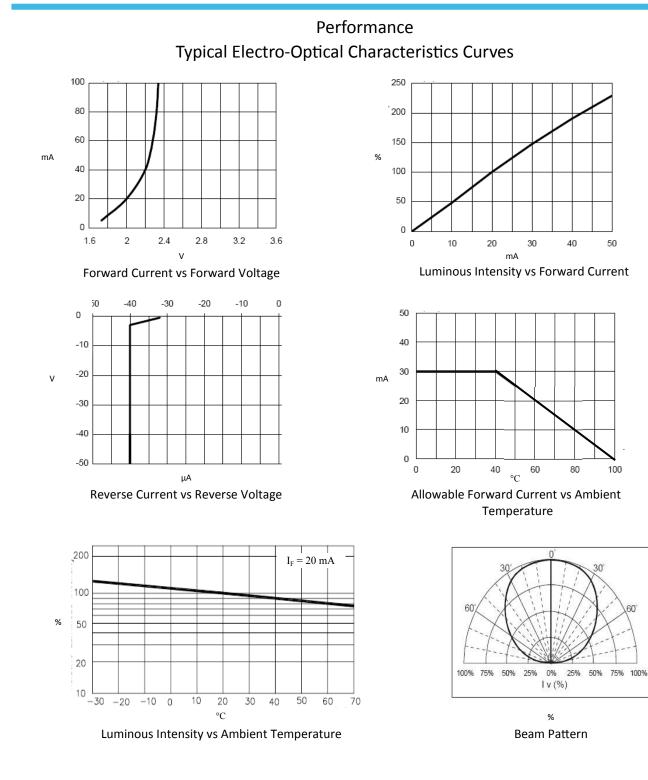
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^{1.} Tolerance of measurement of luminous intensity is $\pm 10\%$.

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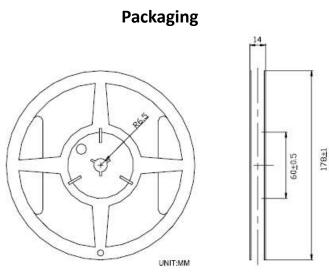
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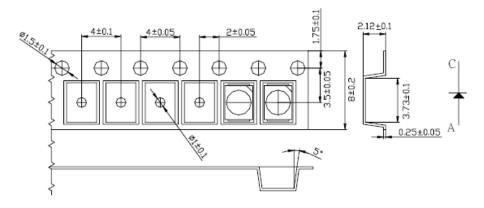
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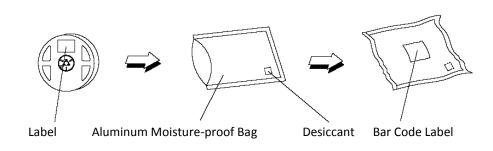
Carrier Tape Dimensions: Loaded quantity 2000 pieces per reel



Notes:

- 1. Polarity referring onto the cathode mark/line is reversed on the UR/HR (N-side-up chips).
- 2. The carrier tape and components loading specifications meet the EIA 481-1a Standard.

Moisture Resistant Packaging



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