



Minimized Size – Full Spectrum

MicroSIDELED

Opto Semiconductors

OSRAM



Small size. High quality.

Smaller, better, more economical: the MicroSIDELED is the smallest LED with reflector technology from OSRAM Opto Semiconductors. This latest member of the successful SIDELED family is a perfect example of the trend towards further miniaturization. It meets the highest quality standards and has an excellent price/performance ratio.

Major features:

- Small size with an emission characteristic of 120°
- Manufactured to the strict quality standards of the automobile industry
- Sorted into half-groups according to luminous intensity and wavelength
- Pretreatment to JEDEC Level 2
- ESD-proof to 2 kV according to EOS/ESD-5.1-1993
- Complete color spectrum – incl. hyperbright white up to 450 mcd
- Excellent price

Pioneering technology.

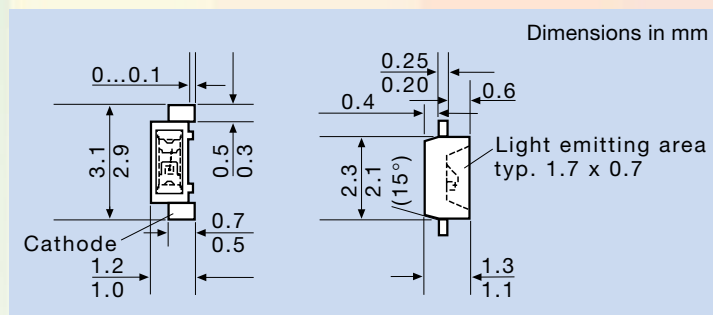
With the aid of a reflector the light is bundled in one direction and emitted at the side. MicroSIDELED is therefore particularly suitable for injecting in optical waveguides and for backlighting displays. MicroSIDELED is the pioneering solution for color displays (TFD) in particular. It offers the entire color spectrum and also hyperbright white. What's more, MicroSIDELED makes it easier right from the start to achieve homogeneous backlighting. They are available in close-tolerance brightness and wavelength groups so the human eye cannot distinguish any differences in brightness or color.

Ideal areas of application:

- Injection into optical waveguides
- Background lighting of LCDs
- Lighting for cell phones, for handheld devices and PDAs
- Signal and symbol luminaires
- Instrument lighting
- General and advertising lighting



Technical data



Type	LW Y87C	LW Y87S
Color of Emission	white	white
Wavelength	color coordinates: x = 0.33, y = 0.33 acc. TO CIE 1931 (white)	color coordinates: x = 0.33, y = 0.33 acc. TO CIE 1931 (white)
Color of package	colorless diffused	colorless diffused
Luminous Intensity I_v (mcd)	140...450	28.0...112.0
I_F	20 mA	10 mA

Type	LB Y87S	LB Y876
Color of Emission	blue	blue
Wavelength	470 nm	467 nm
Color of package	colorless clear	colorless clear
Luminous Intensity I_v (mcd)	7.1...28.0	4.5...18.0
I_F	10 mA	10 mA

Type	LG Y870	LT Y87S
Color of Emission	green	true green
Wavelength	570 nm	528 nm
Color of package	colorless clear	colorless clear
Luminous Intensity I_v (mcd)	5.6...22.4	28.0...112.0
I_F	10 mA	10 mA

Type	LS Y876	LA Y876
Color of Emission	super-red	amber
Wavelength	633 nm	615 nm
Color of package	colorless clear	colorless clear
Luminous Intensity I_v (mcd)	28.0...112.0	45.0...180.0
I_F	20 mA	20 mA

Type	LO Y876	LY Y876
Color of Emission	orange	yellow
Wavelength	606 nm	587 nm
Color of package	colorless clear	colorless clear
Luminous Intensity I_v (mcd)	56.0...224.0	45.0...180.0
I_F	20 mA	20 mA

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