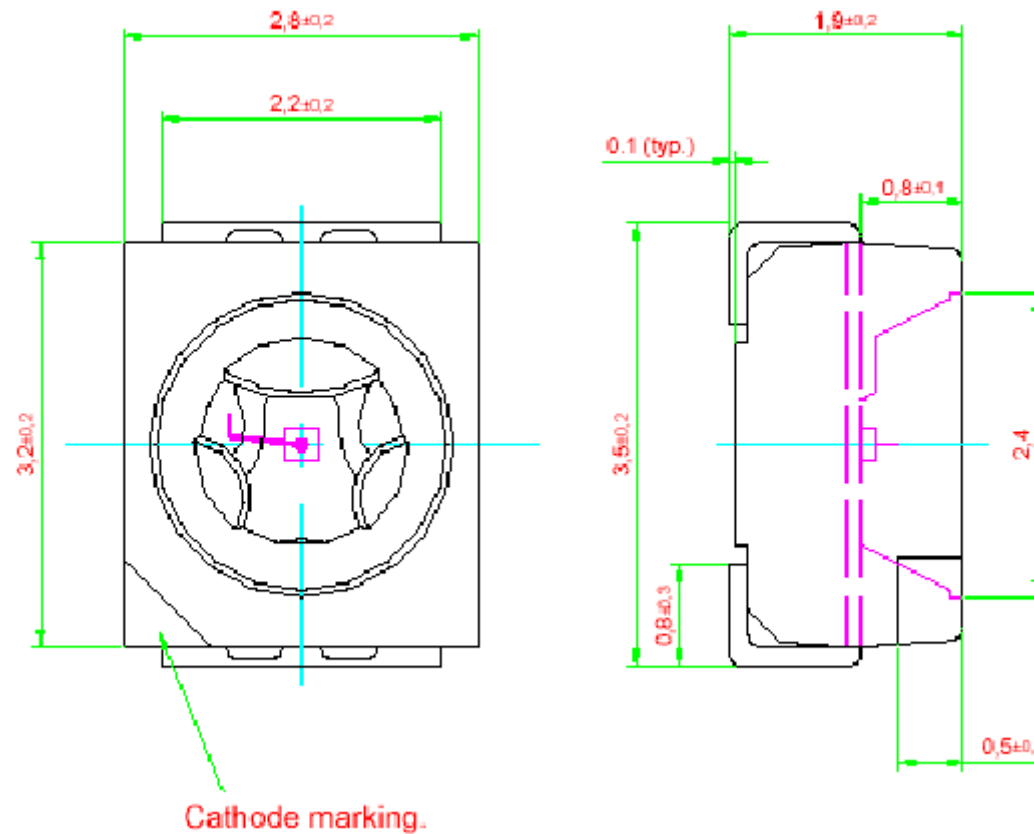


Micropto\_TOP

## LED bianchi SMD

LED ad emissione di luce bianca.



- High brightness surface mount LED

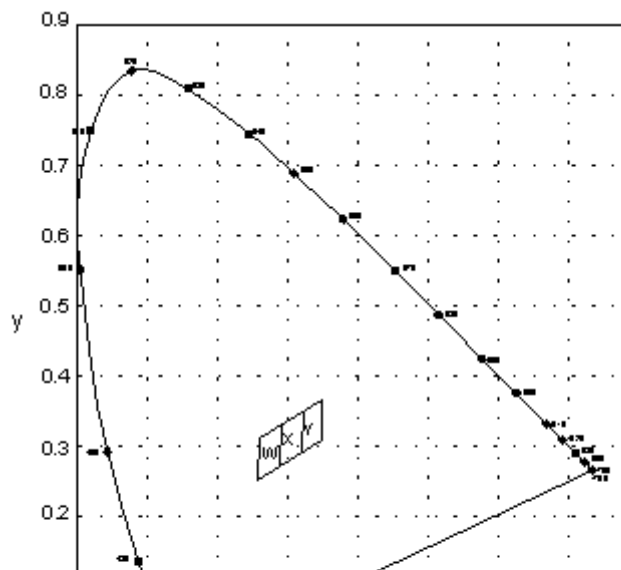
- 120° viewing angle
- Small package outline 2,8 mm x 3,2 mm x 1,8 mm (l x w x h).
- Qualified according with JEDEC moisture sensitivity level 2
- Compatible with both IR reflow soldering and TTW soldering

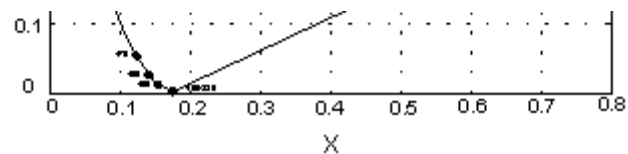
Part Ordering Number	Chip Technology / Color	Viewing angle	Luminous Intensity @If= 20mA Iv(mcd)
DDW-SJ2	<b>InGaN / Blue,460nm</b>	120°	800

**NOTE:**

1. All part number above comes in a quantity of 2000 units per reel.
2. Luminous intensity is measured with an accuracy of  $\pm 11\%$ .
3. Color selection acc to chromaticity coordinates groups.

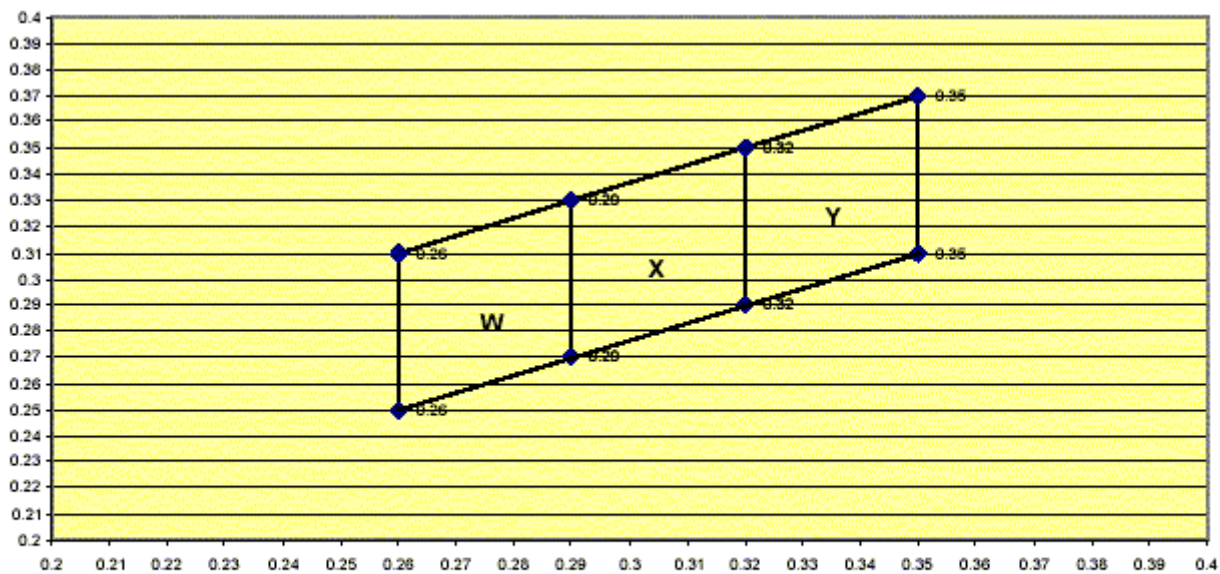
Color	Group	Chromaticity Coordinate Group				
<b>DDW: White</b>	Full	x	0.26	0.26	0.35	0.35
		y	0.31	0.25	0.36	0.31
	W	x	0.26	0.26	0.29	0.29
		y	0.31	0.25	0.33	0.27
	X	x	0.29	0.29	0.32	0.32
		y	0.33	0.27	0.35	0.29
	Y	x	0.32	0.32	0.35	0.35
		y	0.35	0.29	0.37	0.31





\* The C.I.E. 1931 chromaticity diagram

Chromaticity diagram



Chromaticity coordinate groups are measured with an accuracy of  $\pm 0.01$ .

**Vf Binning**

**Vf Bin @ 20 mA**

Standard

01

02

03

**Forwad voltage (V)**

3,35 - 4,25

3,35 - 3,65

3.65 - 3,95

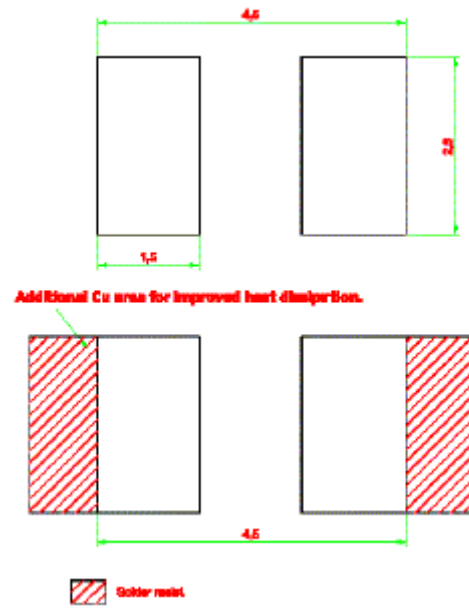
3.95 - 4,25

Forward voltage Vf is measured with an accuracy of  $\pm 0,05$  V.

**Absolute Maximum Ratings.**

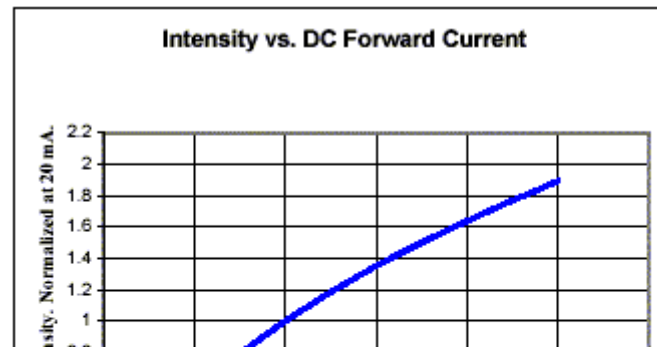
	<b>Maximum value</b>	<b>Unit</b>
DC forward current	20	mA
Peak pulse current (tp <= 10μS, Duty cycle = 0,005)	200	mA
Reverse voltage	5	V
LED junction temperature	125	°C
Operating temperature	-40 ... +100	°C
Storage temperature	-40 ... +100	°C
Power dissipation	80	mW

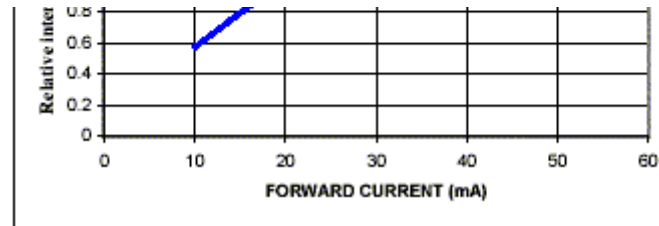
**Recommended solder pads**



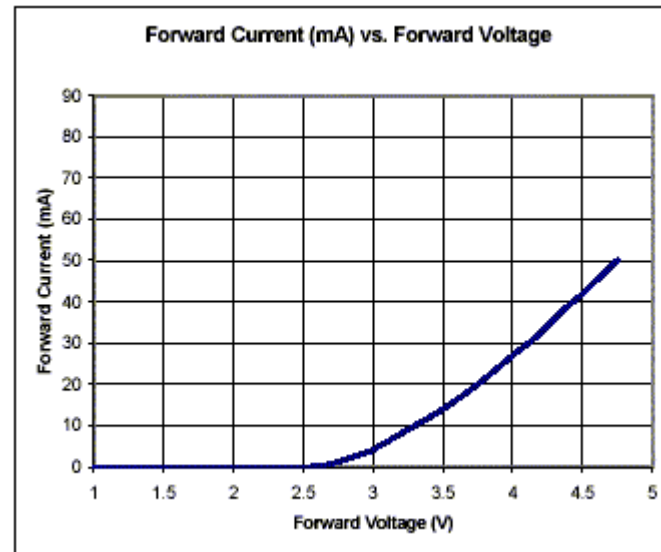
Dimensions: 4,5 mm (1,5x3) x 2,5 mm

### Relative Luminosity Intensity VS forward Current:

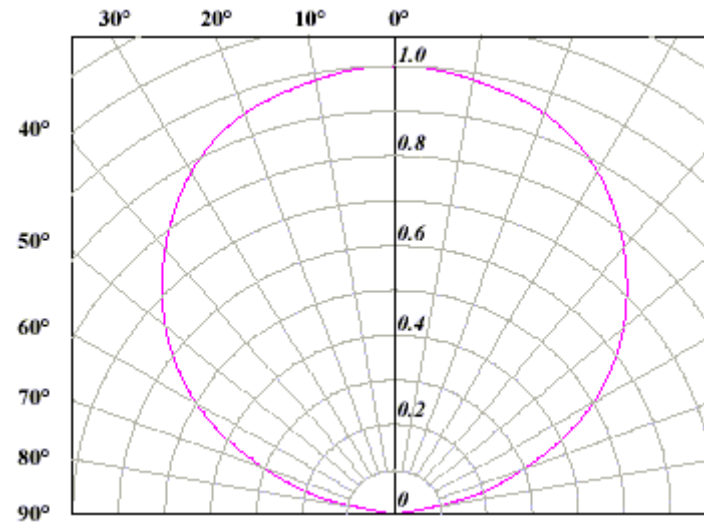




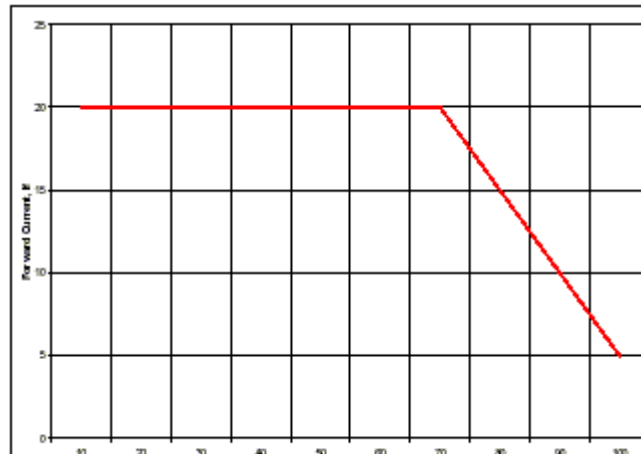
**Forward Current VS Forward Voltage:**



**Radiation Pattern:**



**Maximum Forward Current VS Temperature:**







**BEWARE:** Specs under defining or improving.  
ATTENZIONE: specifiche in aggiornamento o in evoluzione.

[Torna a prodotti](#)

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Mercoledì, 19 Novembre 2003