



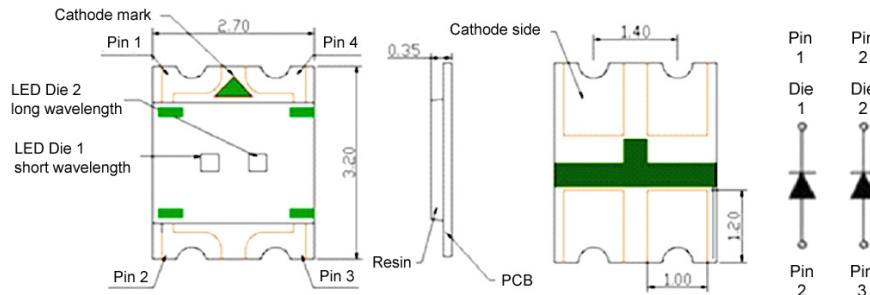
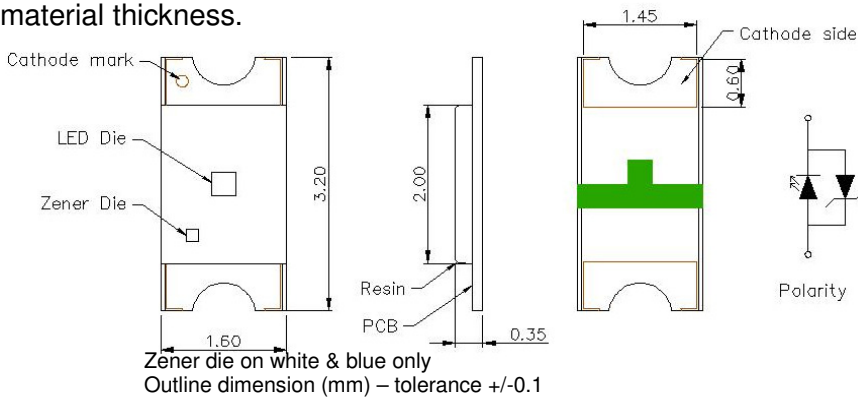
NICOMATIC is certified
 ISO9001:2008 / EN9100:2009

MembraneThin LEDs 0.35mm



Description

Nicomatic **SMD LEDs** maintain easy to place length & width and are thin enough to eliminate embossing and reduce spacer material thickness.



ADVANTAGES

0.35mm high!

Easy to place size vs. other packagings:
 Overall size: 3.2 x 1.6 x 0.35mm (1206)

Reduce spacer thickness and/or eliminate embossing

Market standard tape & reel for automated pick & place machines

Short lead-time

High ESD value for all colours (zener die)

Long Shelf-life: 12 months min. in sealed bag

APPLICATIONS

Keyboard backlighting (membrane switch)

Status indicators

Hand-held & miniature devices

Dashboards & switches

Computer Network Systems

Ordering information

Part Number (packed by 3k)	Lens	Lighting Colour	VF			Die Material	Wave-Length (nm)			Iv (mcd) @20 mA		Viewing Angle
			IF (mA)	Typ (V)	Max. (V)		Max.	Typ	Delta	Min. (mcd)	Typ. (mcd)	
ZQR35W-035	Water clear	Red	20	2.00	2.40	AlGaInP	634	650	20	45	100	140
ZQO35W-035	Water clear	Orange	20	2.05	2.40	AlGaInP	600	611	17	45	110	140
ZQY35W-035	Water clear	Yellow	20	2.05	2.40	AlGaInP	584	591	15	45	105	140
ZQG35W-035	Water clear	Green	20	2.10	2.40	AlGaInP	567	573	15	30	100	140
ZQB35W-035	Water clear	Blue	20	3.30	3.80	InGaN	465	475	20	75	150	140
ZQW35D-035	Water clear	White	20	3.30	3.70	InGaN	X=0.29 Y=0.31	–	–	300	500	140
BQRQG35W-035	Water clear	Red Green	20	2.00 2.10	2.40	AlGaInP	634 567	650 573	20 15	45 30	100 100	130
BQYQG35W-035	Water clear	Yellow Green	20	2.05 2.10	2.40	AlGaInP	584 567	591 573	15	45 30	105 100	130
BQRQY35W-035	Water clear	Red Yellow	20	2.00 2.05	2.40	AlGaInP	634 584	650 591	20 15	45 45	100 105	130



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Technical Features

<p>Values Ta = 25°C Absolute Maximum Ratings Tolerance ±0.05V</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Forward Current vs. Ambient Temperature</p> </div> <div style="text-align: center;"> <p>Forward Voltage vs. Forward Current</p> </div> </div>																		
<p>Current rating</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Reverse voltage (VR)</td> <td style="width: 50%; border: none;">5V</td> </tr> <tr> <td style="border: none;">Forward current (IF)</td> <td style="border: none;">30 mA (20mA for W & B)</td> </tr> <tr> <td style="border: none;">Operating temperature (Topr)</td> <td style="border: none;">-30°C to +80°C</td> </tr> <tr> <td style="border: none;">Storage temperature (Tst)</td> <td style="border: none;">-40°C +90°C</td> </tr> <tr> <td style="border: none;">Soldering temperature (Tsol)</td> <td style="border: none;">260°C on 5 seconds</td> </tr> <tr> <td style="border: none;">Electrostatic Discharge (ESD)</td> <td style="border: none;">2000 V (all colours)</td> </tr> <tr> <td style="border: none;">Power Dissipation (Pd)</td> <td style="border: none;">72 mW (78mW for W & B)</td> </tr> <tr> <td style="border: none;">Peak Forward Current</td> <td style="border: none;">100 mA (80mA for W & B)</td> </tr> <tr> <td style="border: none;">VF and Iv (mcd) @20mA</td> <td style="border: none;">see chart page 1</td> </tr> </table>	Reverse voltage (VR)	5V	Forward current (IF)	30 mA (20mA for W & B)	Operating temperature (Topr)	-30°C to +80°C	Storage temperature (Tst)	-40°C +90°C	Soldering temperature (Tsol)	260°C on 5 seconds	Electrostatic Discharge (ESD)	2000 V (all colours)	Power Dissipation (Pd)	72 mW (78mW for W & B)	Peak Forward Current	100 mA (80mA for W & B)	VF and Iv (mcd) @20mA	see chart page 1	
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Packing & Labeling

EIA 481-1A specs

EIAJ-RRM 08 B
RL07120900

Label sticking position

Unit: mm

	Dim. A	Dim. B	Dim. C	Dim. D	Dim. W	Dim. P0	Dim. P1	Dim. P2	Qty/Reel
8mm tape	1.83±0.05	3.43±0.05	0.52±0.05	1.50+0.1/-0	12.1±0.1	4.00±0.1	4.00±0.1	2.0±0.05	3 000
12mm tape	2.71±0.05	3.35±0.05	0.45±0.05	1.50+0.1/-0	8.00±0.2	4.00±0.1	4.00±0.1	2.0±0.05	

SECTION 1 - 1

SECTION 2 - 2

For complete specification, please download our
 "Product Specification For Top Emitting Surface Mount LED"