



solutions catalogue

SUPPLIER OF SOLUTIONS

THE BROADLINE DISTRIBUTOR OF ELECTRONIC COMPONENTS

2013
2014





KINGBRIGHT is a worldwide leading manufacturer of LED for over 30 years. Kingbright has been supplying a large number of well-known clients all over the world with high quality LED products, technical innovations and support. Kingbright's production facilities are equipped with the cutting edge manufacturing equipment offering a high production capacity.

CZ KINGBRIGHT je předním výrobcem LED již přes 30 let. Kingbright dodává kvalitní LED produkty, technické inovace a podporu velkému počtu známých výrobců. Výrobní linky společnosti Kingbright disponují špičkovým vybavením a nabízejí vysokou produkční kapacitu.

DE KINGBRIGHT ist bereits seit über 30 Jahren führender Hersteller von LEDs. Kingbright beliefert mit seinen LED-Produkten, technischen Innovationen und Support eine Vielzahl namhafter Hersteller. Die Produktionsanlagen des Unternehmens Kingbright sind spitzennmäßig ausgestattet und bieten eine hohe Produktionskapazität an.

HU A KINGBRIGHT már több mint 30 éve jeleskedik a LED gyártásban. A Kingbright jó minőségű LED termékeket, technológiai újításokat és támogatást nyújt számos neves gyártónak. Gyártószorai kitűnnek csúcsmínőségű felszereltségükkel és hatalmas termelőkapacitást biztosítanak.

PL KINGBRIGHT to wiodący producent LED już od ponad 30 lat. Kingbright dostarcza swoje jakościowe produkty LED, innowacje i wsparcie techniczne wielkiej ilości znanych producentów. Linie produkcyjne Kingbright dysponują najwyższej klasy wyposażeniem i dysponują wysoką wydajnością produkcyjną.

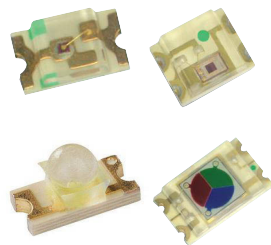
RO KINGBRIGHT este un producător global de LED-uri de peste 30 de ani. Kingbright a oferit unui număr mare de clienți renumiți din toată lumea produse LED de o înaltă calitate, inovații tehnice și servicii de asistență. Utilitățile de producție ale Kingbright sunt dotate cu echipamente de producție de ultimă generație furnizând un randament de fabricație ridicat.

SK KINGBRIGHT je vedúci výrobca LED už vyše 30 rokov. Kingbright dodáva svoje kvalitné LED produkty, technické inovácie a podporu veľkému počtu známých výrobcov. Výrobné linky spoločnosti Kingbright disponujú špičkovým vybavením a ponúkajú vysokú produkčnú kapacitu.

Experience and production capacity enables the company to offer short leadtimes even on high volume requirements and bespoke customer developments. All Kingbright products are RoHS Compliant and made in accordance with current quality and environmental guidelines.

Why KINGBRIGHT?

- a worldwide leading manufacturer of LED for over 30 years
- well proven reliable LEDs for industrial applications
- extensive line of LEDs in all kinds of packages



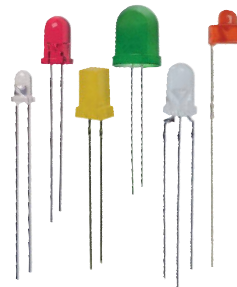
SMD LEDs

- Different packages (0402, 0603, 0805, 1206, SOT23, PLCC2,4, Xpower(10x10mm), TopLED and other with height 0,65mm to 1,9mm)
- Different emitted colours (red, orange, yellow, green, blue)
- Special types (with lens, side emitted, double and multicolour LED, IR emitters And phototransistors , ultra slim types)



High Power and SuperFlux LEDs

- High power and high brightness LEDs
- LED modules and LED strips
- SuperFlux LEDs for automotive industry
- LED bulbs and clusters
- Different colours and RGB



Standard LEDs

- Standard PCB mounting LEDs incl. blue, white and RGB LEDs
- Different diameter and shapes (round, oval, flat top, cylindrical, rectangular, squar, big LED, super LED, Bi-Color & Bi-Polar LED, Full Color LED, blinking LED, low current LED, resistor LED, Subminiature Solid State LED
- IR emitters and phototransistors
- Low consumption LED
- High power LED, HiFlux LED
- Series with high precision luminous intensity



Accessories

- Light guides
- Holders
- Sockets



Top-Emitting PLCC SMD LED

KA-2214 2.2mm x 1.4mm
KA-3021 3.0mm x 2.0mm (1208)



KA-3022-4.5SF 3.0mm x 2.2mm
KA-3528 3.5mm x 2.8mm



Top-Emitting Chip SMD LED

KPHHS-1005 0402
KP-1608 0603
KPT-1608 0603 Super Thin
KPTD-1608 0603



KP-2012 0805
KPT-2012 0805
KPTC-2012 0805
KPHCM-2012 0805



KP-23-F 3.0mm x 2.4mm
KPL-3015 1106
KP-3216 1206
KPT-3216 1206 Super Thin



KPC-3216 1206
KPTL-3216 1206
KPTD-3216 1206 Dome Lens
KPD-3224 3.2mm x 2.4mm



KPED-3528 3.5mm x 2.8mm
KPED-3820 3.5mm x 2.8mm



Right Angle SMD LED

KPA-1606 0602
KPA-2106 0802
KPJA-2107 0802
KPA-3010 1104



KPA-3210 1304
KA-2810A 2.8mm x 0.8mm
KA-4008 4.0mm x 0.8mm
KA-4040 4.0mm x 4.0mm



Multi-Color SMD LED

KPTB-1612 0605
KPTB-1615 2.0mm x 1.25mm
KPHBM-2012 2.0mm x 1.25mm
KPBVA-3010 1104



KM-23ESG SOT-23
KP-23xxx 3.0mm x 2.4mm
KPB-3025 1109
KPBL-3025 1109



KPBD-3224 3.2mm x 2.4mm
KA-2735 2.7mm x 3.5mm
KAA-3528 3.5mm x 2.8mm
KAAF-5060 5.0mm x 6.0mm



Subminiature SMD LED

KM2520xxx03 2.5mm x 2mm
KM2520xxx08 2.5mm x 2mm
KM2520xxx09 2.5mm x 2mm
KM-27-03 2.21mm x 2.21mm



KM-27-09 2.21mm x 2.21mm



Reverse Mount SMD LED

KPTR-3216 1206



SOT-23 SMD LED

KM-23-F SOT-23



Subminiature LED

KM2520xxx01 1.9mm Round



Optocouplers and Optosensors
LED Diodes and Displays
LCD, TFT, OLED Displays and Modules
Electroacoustic Components

Oval LED

L-5603
5.2mm



Round LED

L-2060
1.8mm



L-1154
T-1 (3mm)



L-132X
T-1 (3mm)



L-7104
1.8mm



L-174X
3.2mm



L-174A2
3.2mm



L-7113
T-1 5mm



L-1503
T-1 5mm



L-2060
1.8mm



L-1154
T-1 (3mm)



L-132X
T-1 (3mm)



L-793
8mm



L-813
10mm



DLx/6
20mm



Flat Top LED

L-1394
2mm



L-1394
2mm



L-1034
2mm



L-13
2mm



Rectangular LED

L-2774
1.75mm x 3.9mm



L-292X
1.9mm x 3.1mm



L-144
1.9mm x 3.9mm



L-2914
2mm x 3mm



L-914
2mm x 3mm



L-91A7
2mm x 3mm



L-169X
2mm x 3mm



L-103
2mm x 5mm



L-113
2mm x 5mm



L-383
2.5mm x 5mm



L-1553
5mm x 5mm



Multi-Color LED

L-937
T-1 (3mm)



L-115V
T-1 (3mm)



L-115W
T-1 (3mm)



L-3V
T-1 (3mm)



L-7113SRSG
T-1 3/4 (5mm)



L-57
T-1 3/4 (5mm)



L-59
T-1 3/4 (5mm)



L-154A4
T-1 3/4 (5mm)



L-119
2mm x 5mm



L-483SRSG
T-1 3/4 (5mm)



Super Flux LED

L-7676C
7.6mm x 7.6mm



L-7676S
7.6mm x 7.6mm



L-7679C1
7.62mm x 7.62mm



Cylindrical LED

L-424
T-1 (3mm)



L-483
T-1 3/4 (5mm)

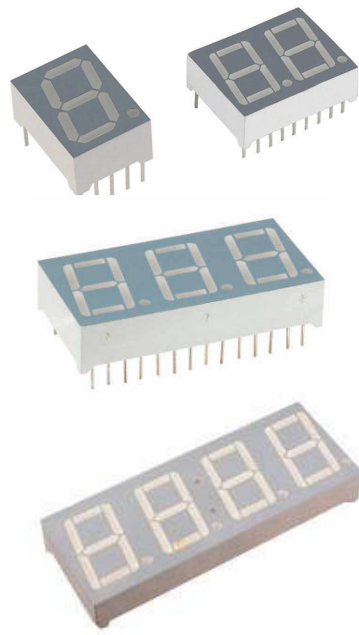


Soldering Instructions

Types	DIP SOLDERING / * WAVE SOLDERING			IRON SOLDERING (WITH 1.5mm IRON TIP)		
	Temperature of the soldering bath	Maximum soldering time	Distance from solder joint to package	Temperature of soldering iron	Maximum soldering time	Distance from solder joint to package
LEDS	<=260°C	3s	>=2mm	<=350°C	3s	>2mm
	<=260°C	5s	>=5mm	<=350°C	5s	>5mm
SMDS [1]	/	/	/	<=350°C	3s	/
DISPLAYS	* <=260°C	* 3s	* >2mm	<=350°C	3s	>2mm
PHOTOCOUPLER	<=260°C	3s	>2mm	<=310°C	3s	/
	/	/	/	<=260°C	10s	/

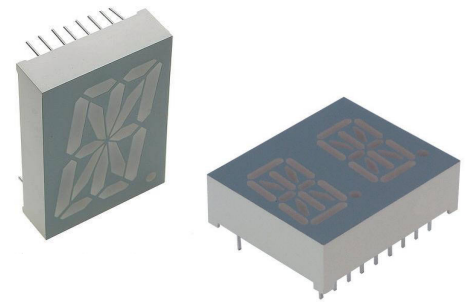
7 segments LED Displays

- 10 mm/0,4"
- 13 mm/0,52"
- 14 mm/0,56"
- 20 mm/0,8"
- 25 mm/10"
- 57 mm/2,3"
- 100 mm/4,0"



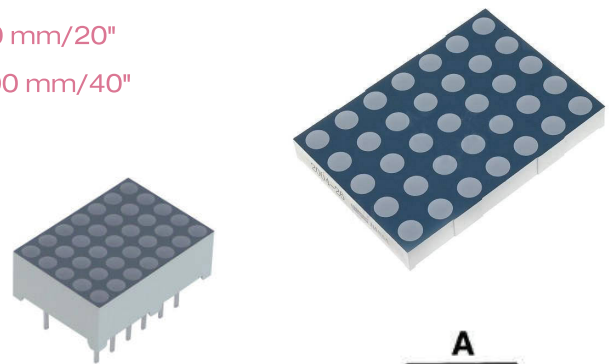
Alphanumeric LED Displays

- 13 mm/0,5"
- 14 mm/0,54"
- 20 mm/0,8"



Dot Matrix LED Displays

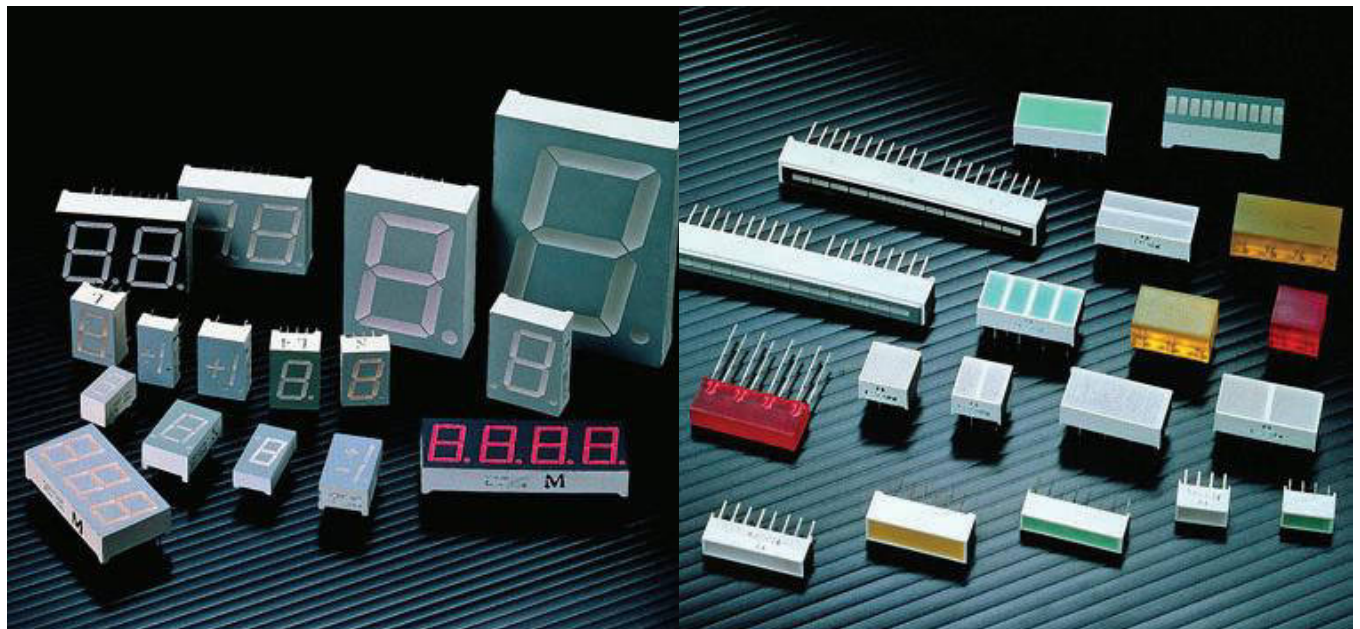
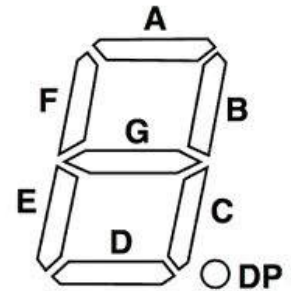
- 18 mm/0,7"
- 50 mm/20"
- 100 mm/40"



Code example

P S A 05 - 11 GWA
1 2 3 4 5 6

1. Not Used - 7 Segments
- P - Alphanumeric
2. D - Dual
- S - Single
- B - Tripple
- C - Quad
3. A - Common Anode
- C - Common Cathode
4. Size 0.5"
5. Internal Connection
6. Chip Type/Color



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