



Creating Infinite Possibilities For a Bright Future

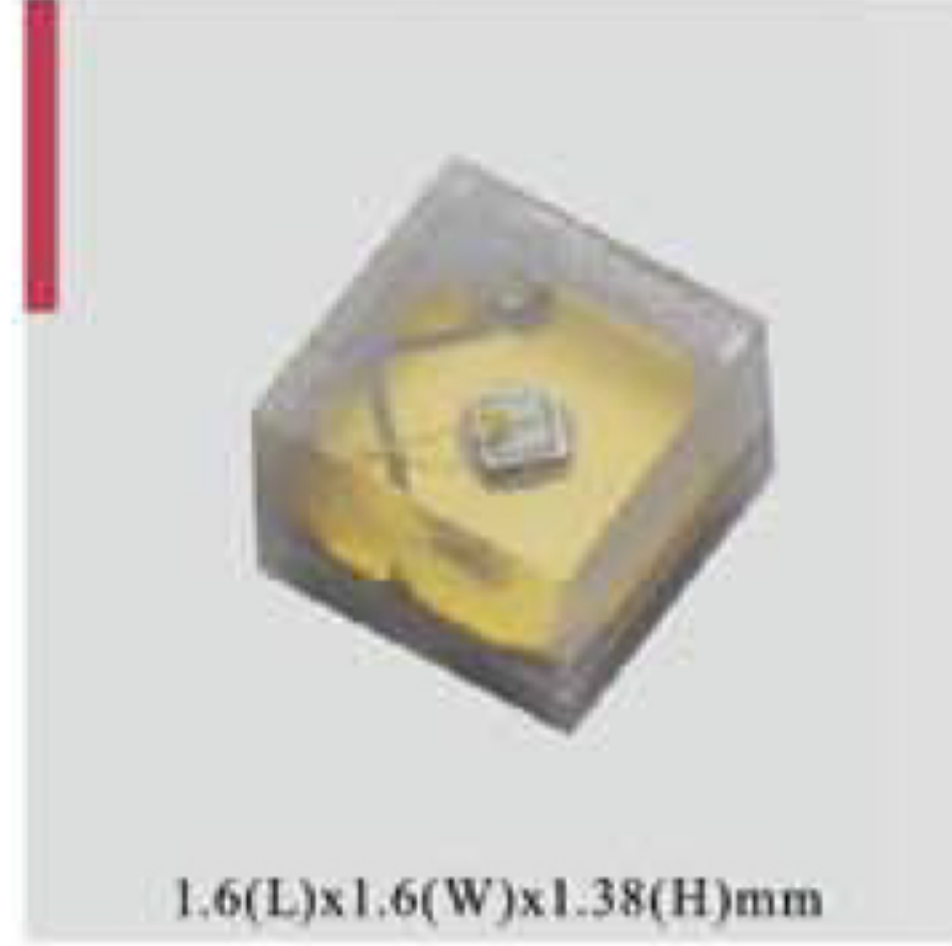
深圳市美特光电子有限公司是一家研发、生产、销售为一体的专业生产半导体发光二极管的高新技术企业，产品主要包括各类发光二极管，如 Lamp LED、Chip LED、TOP LED 等，这些产品广泛应用于电子显示屏、指示灯、室内外照明及手机背光源等领域。公司于 2014 年在中国深圳创立，注册资本 100 万元。

公司经过不断的发展扩大，员工人数不断的突破，并引进世界最为先进的自动化生产线、生产技术及无尘防静电车间并配套性能优越的检测设备，从固晶、焊线、灌胶、分光分色及包装、检查都自动化一步到位，目前年产能达到 2000KK，年销售额五千万。公司以先进的技术手段和科学的管理方法推进企业的发展，建立建全的质量管理体系，并通过了 ISO9001 质量管理体系认证、ISO14001 环境管理体系认证、SGS(环境体系)等多方认证。

MATELIGHT

UV LED

Lens type UV LED



1.6(L)x1.6(W)x1.38(H)mm

LTPL-C16FUVLM

- CSP-ceramic based.
- Low power.
- Miniature size package.
- Long life time.
- High efficiency.
- Low CO₂ consumption.
- 365nm: 16mW at 20mA.
- 385nm: 21mW at 20mA.
- 405nm: 21mW at 20mA.
- Resin/Ink curing.
- PSS process.
- Tooth whitening.
- Money & ID detect.
- Forensic applications.
- Fluorescent light source.

Lens type UV LED



1.6(L)x1.6(W)x1.38(H)mm

LTPL-C16FUVH

- CSP-ceramic based.
- High power.
- Higher Irradiance Density.
- Miniature size package.
- Long life time.
- High efficiency.
- Low CO₂ consumption.
- 405nm: 460mW at 350mA.
- Resin curing.
- Tanning.
- Tooth whitening.
- Security, banknote.
- Forensic applications.
- Fluorescent light source.

Lens type UV LED

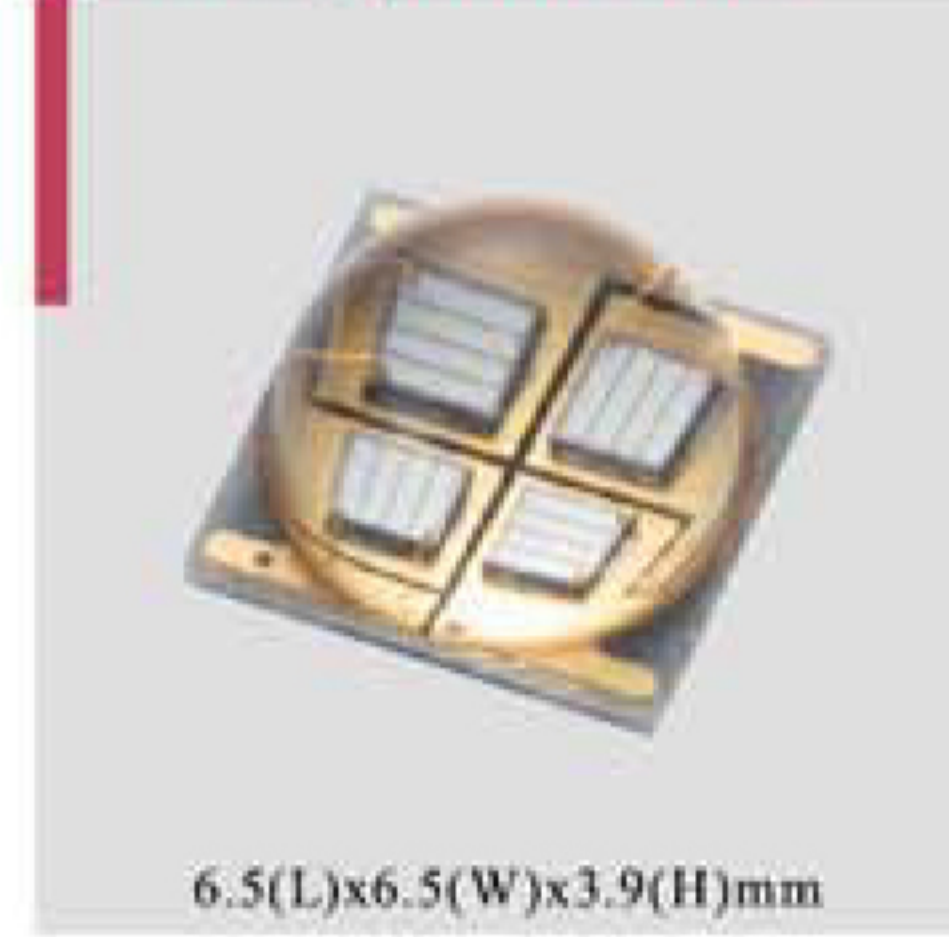


3.45(L)x3.45(W)x2.13(H)mm

LTPL-C034UVH

- Ceramic based.
- High power dome lens.
- Higher WPE%.
- Long life time.
- High efficiency.
- Low CO₂ consumption.
- 365nm: 760mW/W at 500mA.
- 385nm: 910mW/W at 500mA.
- 405nm: 1000mW at 500mA.
- Resin curing.
- Tanning.
- Tooth whitening.
- Security, banknote.
- Forensic applications.
- Fluorescent light source.

Lens type UV LED

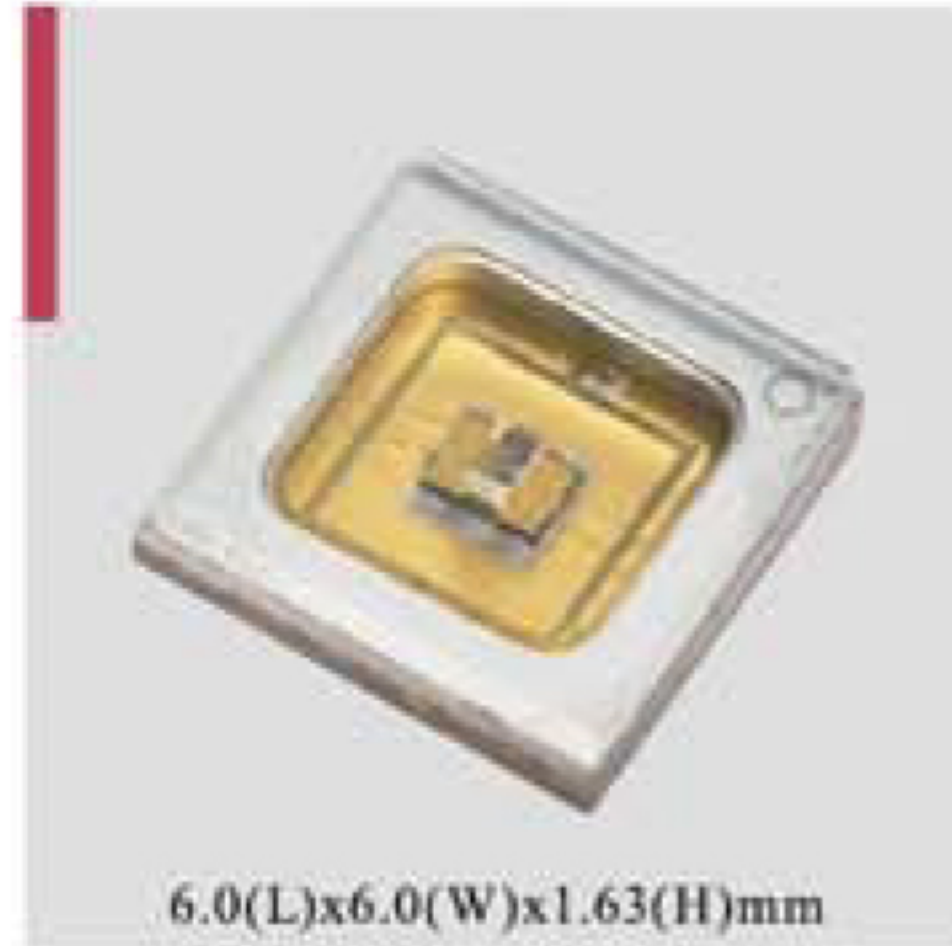


6.5(L)x6.5(W)x3.9(H)mm

LTPL-C08UV

- Ceramic based.
- Ultra-high power dome lens.
- Higher WPE%.
- Enable different Wd mixing.
- Long life time.
- High efficiency.
- Low CO₂ consumption.
- 365nm: 2500mW at 7W.
- 385nm: 3200mW at 7W.
- 405nm: 3300mW at 7W.
- Resin/ Ink curing.
- PSS process.
- Tooth whitening.
- Money & ID detect.
- Forensic applications.
- Fluorescent light source.

Quartz UVC



6.0(L)x6.0(W)x1.63(H)mm

LTPL-U06UVC

- Ceramic based.
- Quartz Glass.
- Long life time > 33,000hrs.
- High efficiency.
- Low CO₂ consumption.
- 275nm: 2.2mW at 20mA.
- 275nm: 12mW at 100mA.
- 275nm: 30mW at 350mA.
- Water Sterilization.
- Surface Sterilization.
- Air Purification.

LIGHTING LED

Low Power Lighting



3.0(L)x1.4(W)x0.8(H)mm

LTW-K140

- Top View PLCC Package.
- Efficacy: 125lm/W@0.2W.
- CRI: >80 for all CCTs.
- Wide selection of white CCT's.
- Compliance with ENERGY STAR Program Requirements for SSL Luminaires.
- Ultra-compact, high-efficacy lead-frame package.
- Best flexible for modules in need of illuminance uniformity and circuit design.
- Ideal for lighting applications requiring a homogeneous distributed light source.
- Linear light.
- Tube.
- Strip light.

Mid Power Lighting

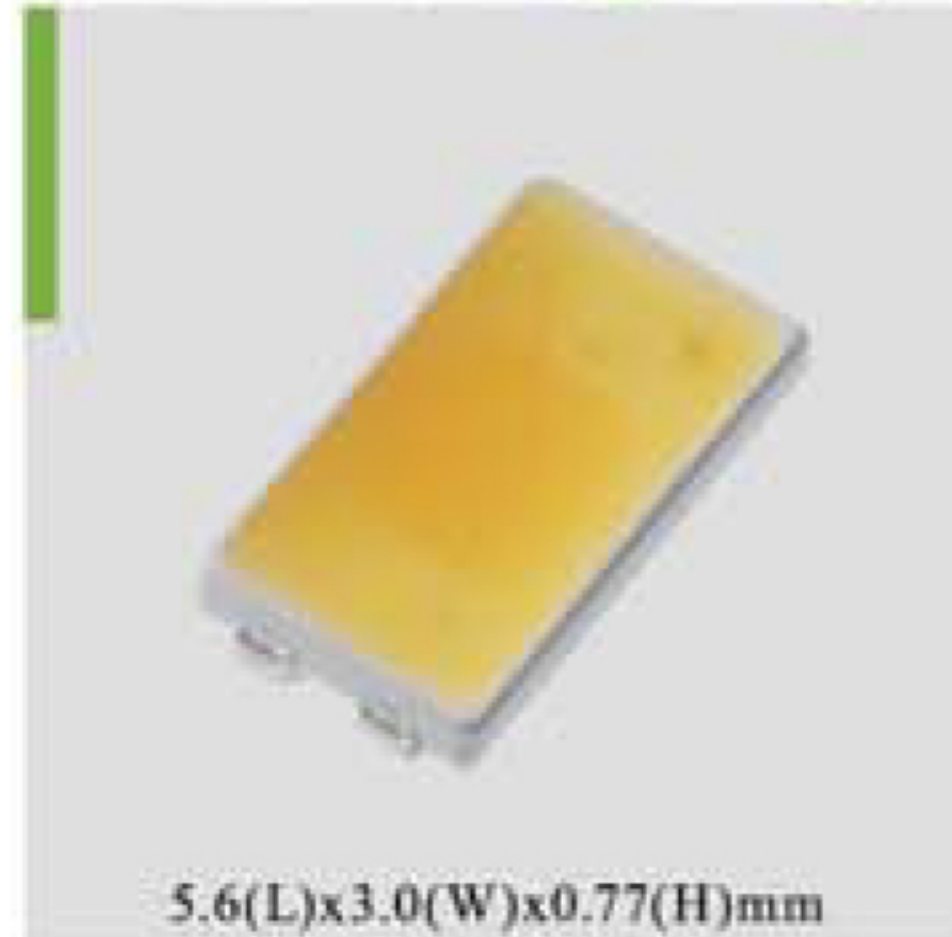


5.0(L)x7.4(W)x1.3(H)mm

LTPL-P033

- Topview PLCC 6-pin package.
- Efficacy: 200lm/W@1W. (5000K)
- CRI: 70 for all CCTs.
- Compliance with ENERGY STAR Program Requirements for SSL Luminaires.
- Superior reliability and long life provides quality light source.
- Street light.

Mid Power Lighting

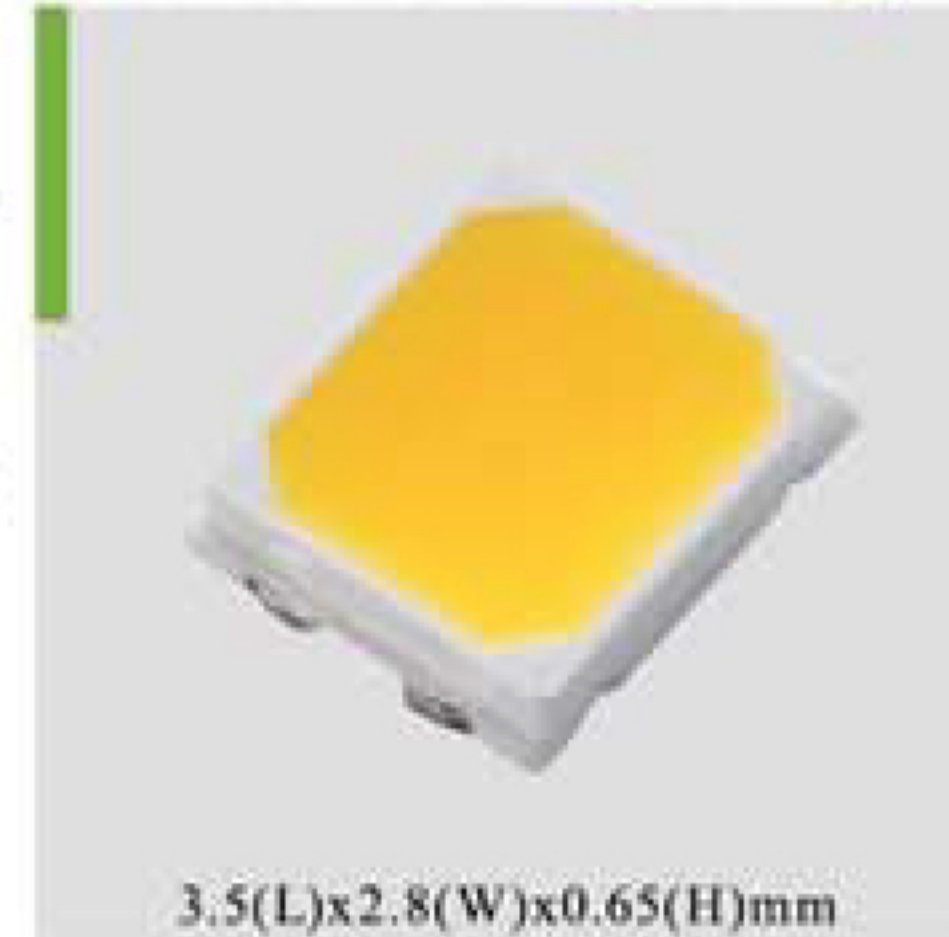


5.6(L)x3.0(W)x0.77(H)mm

LTW-5630

- Efficacy: 190lm/W@0.2W.
- 3V, 6V, 24V.
- CRI 80 for all CCTs.
- CRI 90 is optioned.
- Wide selection of white CCT's.
- Compliance with ENERGY STAR Program Requirements for SSL Luminaires.
- Ideal for lighting applications requiring a homogeneous distributed light source.
- Best choice for high efficiency platform.
- 5630SZP (6V) and 5630(25V) is now available for solution to better driver efficiency.
- Linear light.
- Ceiling light.
- Down light.
- Bulb.

Mid Power Lighting

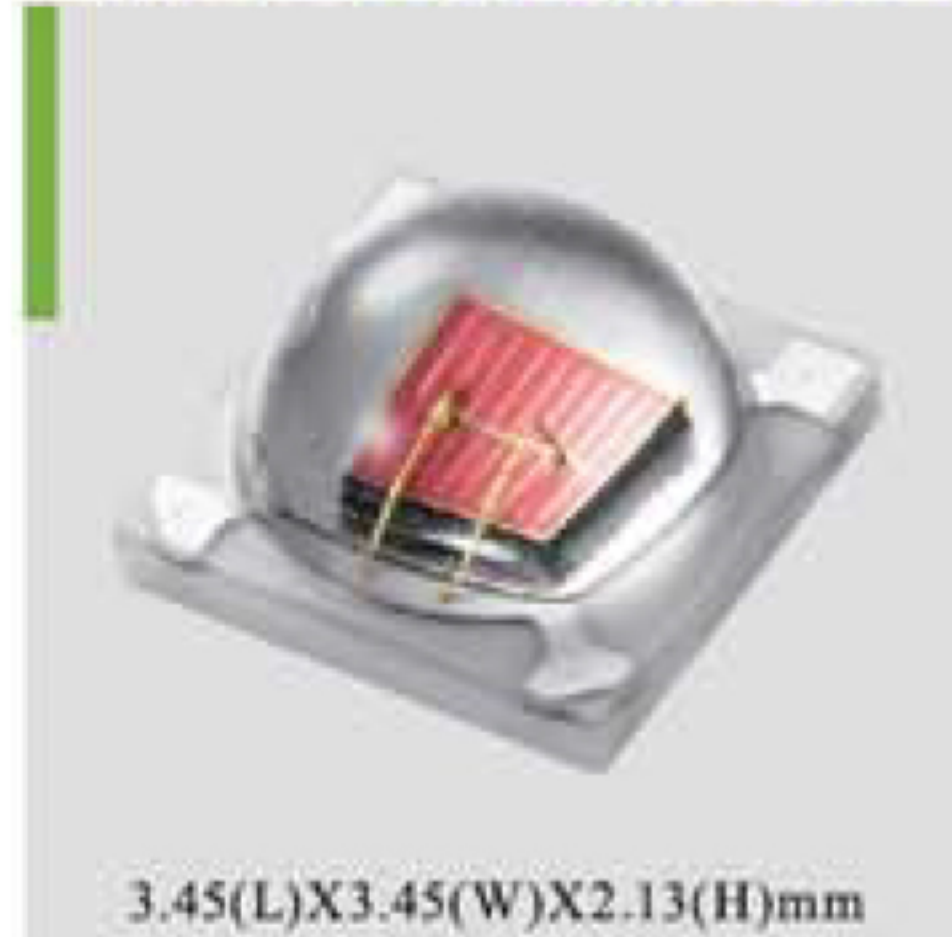


3.5(L)x2.8(W)x0.65(H)mm

LTW-2835

- Top View PLCC Package.
- Efficacy: 205lm/W@0.2W,5000K 138lm/W@0.5W,5000K 140lm/W@1W,5000K
- 3V, 6V, 24V is optioned.
- CRI 80 for all CCTs.
- CRI 90 is optioned.
- Wide selection of white CCT's.
- Compliance with ENERGY STAR Program Requirements for SSL Luminaires.
- Ideal for lighting applications requiring a homogeneous distributed light source.
- Best lm/\$ for high efficiency platform.
- Linear light.
- Ceiling light.
- Down light.
- Bulb.

Mid Power Lighting

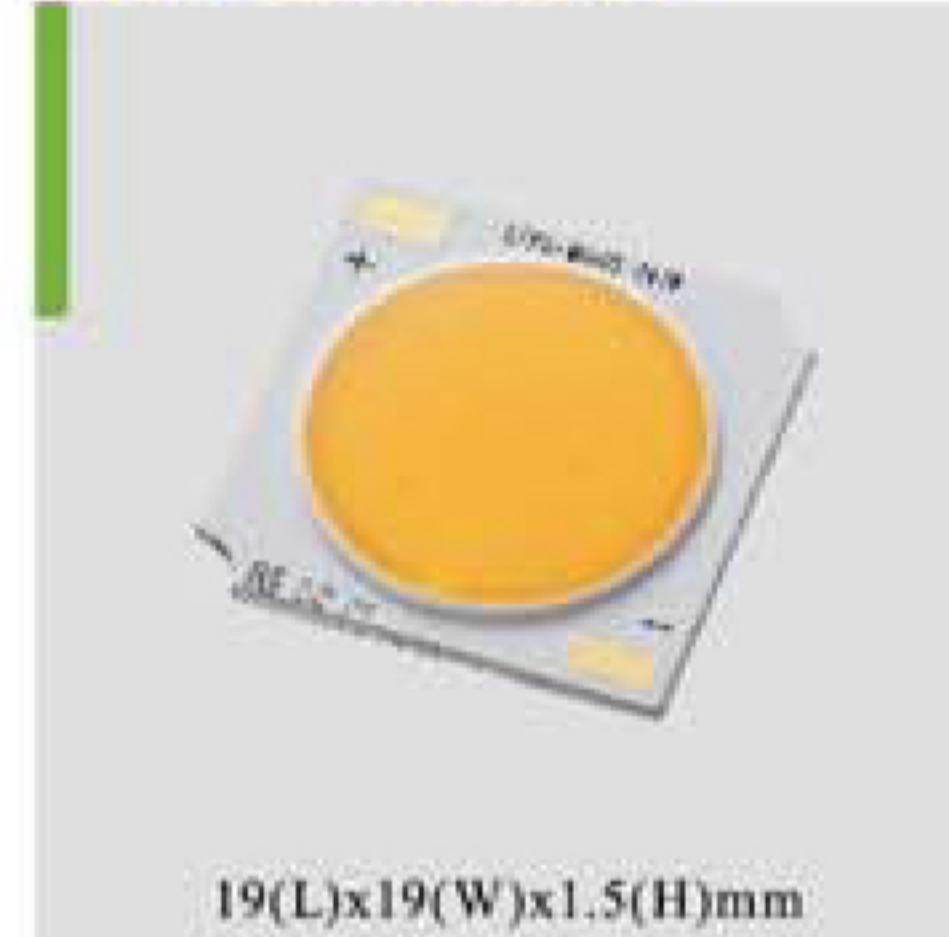


3.45(L)x3.45(W)x2.13(H)mm

LTPL-C035

- Ceramic based.
- High power dome lens.
- Various of Wd options 420, 430, 450, 460, 470, 480, 520, 590, 620, 630, 660, 730nm.
- Higher efficiency.
- VA 130. (VA55 is optioned)
- Professional LED for Horticulture, Fishing Lamp & Medical Lighting.
- Superior reliability and long life provides quality light source.

Chip on Board

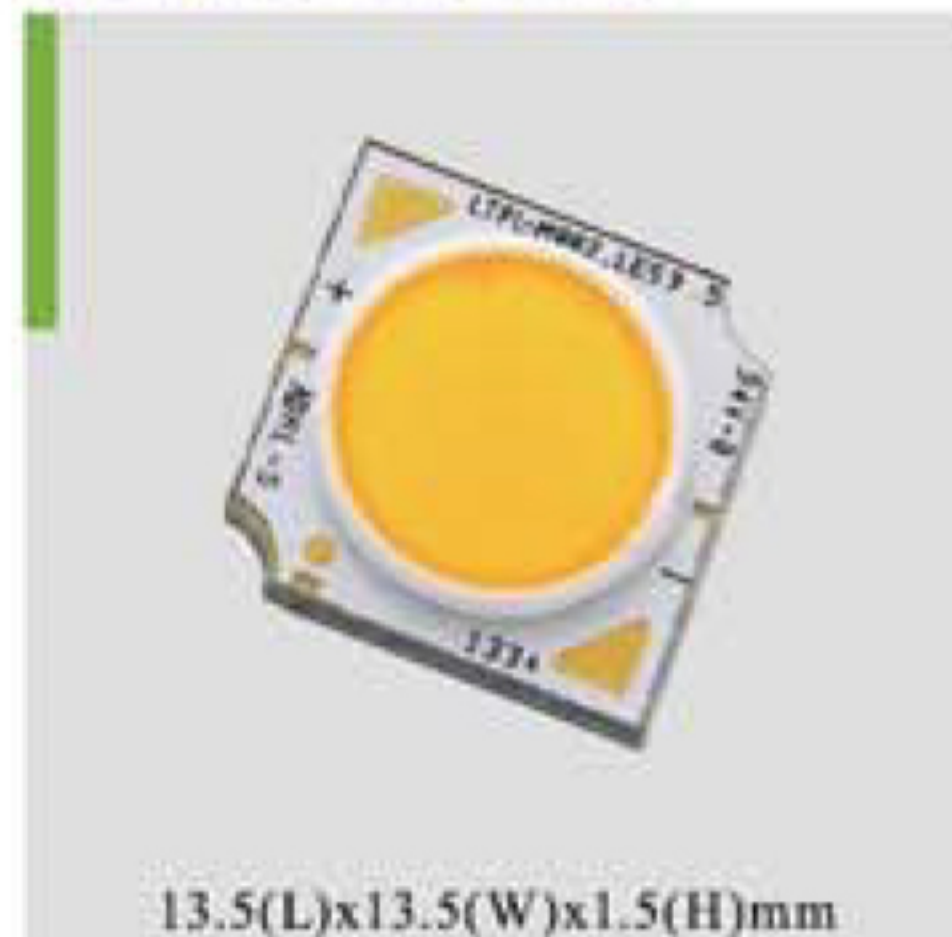


19(L)x19(W)x1.5(H)mm

LTPL-M04

- Chip on Metal Core PCB.
- Efficacy: 140lm/W for 15W and 25W models.
- CRI: >80 for neutral & cool white.
- Low RTH, down to 0.8°C/W.
- M04 is the first CoB product available from Liteon providing solution to wide range of application.
- Compliance with ENERGY STAR Program Requirements for SSL Luminaires.
- Reduce overall system cost by combining superior efficacy, ease-of-design and ease-of-manufacture.
- Au plating of M04 afford excellent operability to soldering.
- Down light.
- Par lamp.
- Track light.

Chip on Board



13.5(L)x13.5(W)x1.5(H)mm

LTPL-M08

- Chip on Metal Core PCB.
- Efficacy: 145lm/W@4.4W.
- CRI: >80 for warm & neutral white.
- Low RTH, down to 2.4°C/W.
- Compliance with ENERGY STAR Program Requirements for SSL Luminaires.
- Light extraction from small LES 9.5 is ideal for small angle lighting.
- 3 sub-series (6, 10 and 18 Watt solution) are available.
- Au plating of M08 afford excellent operability to soldering.
- Down light.
- Par lamp.
- Spot light.

Chip on Board

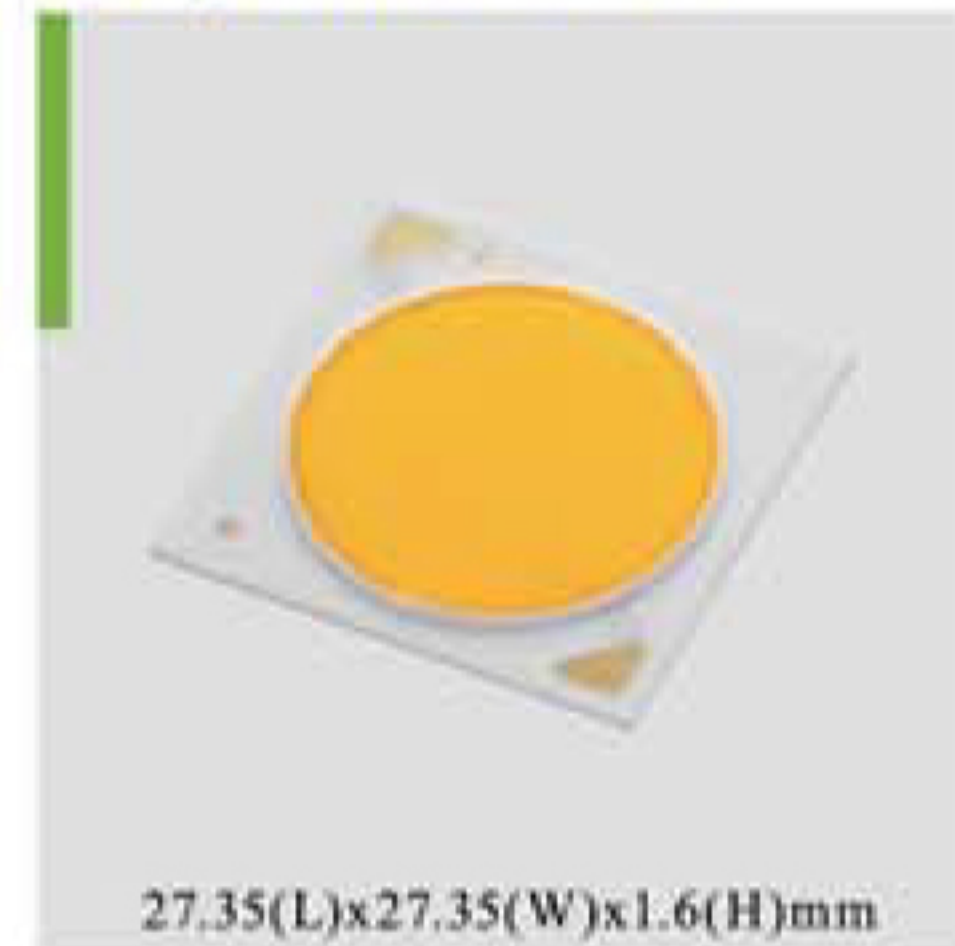


15.85(L)x15.85(W)x1.6(H)mm

LTPL-M03

- Chip on Ceramic PCB.
- Efficacy: 133lm/W@20W.
- CRI: >80 for warm & neutral white.
- Low RTH, Down to 1.2°C/W.
- Compliance with ENERGY STAR Program Requirements for SSL Luminaires.
- 9mm LES providing narrow beam solution with upto 24 watt. driving.
- 2 sub-series (14 and 22 Watt solution) are available.
- Ceramic PCB of M03 provides superior properties of high breakdown voltage and resistance to vulcanization.
- Down light.
- Par lamp.
- Spot light.

Chip on Board

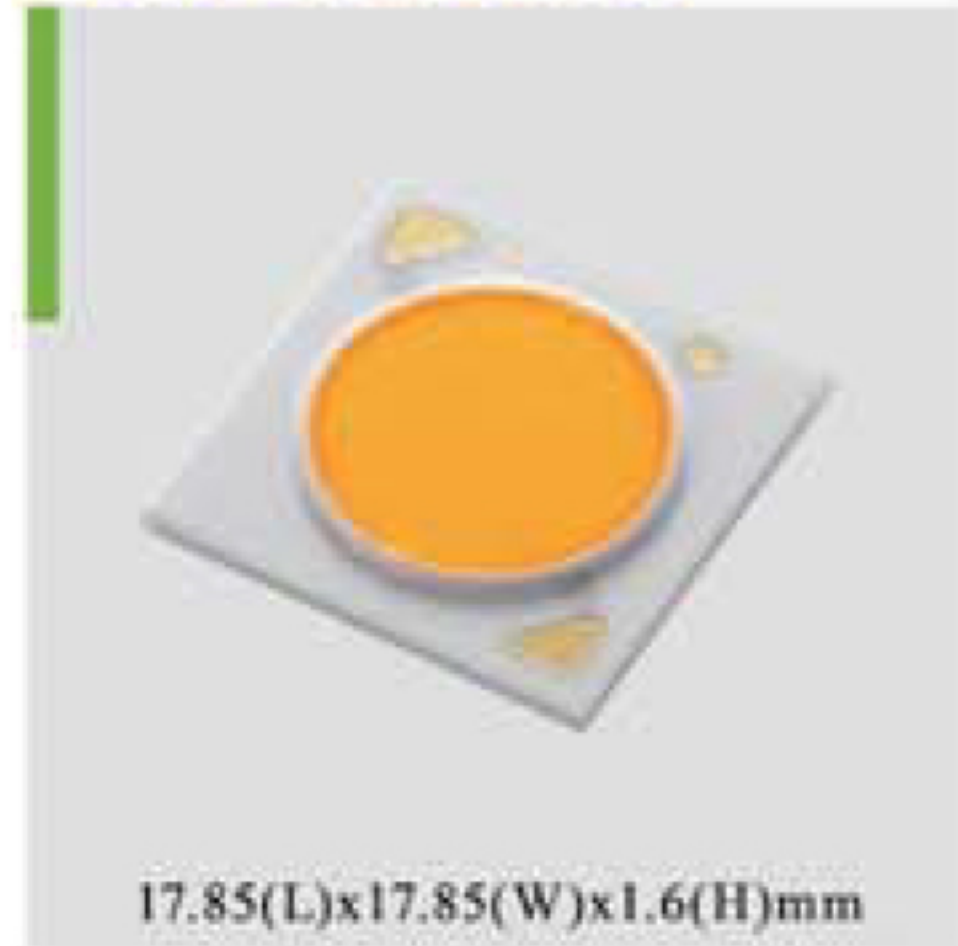


27.35(L)x27.35(W)x1.6(H)mm

LTPL-M07

- Chip on Ceramic PCB.
- Efficacy: 144lm/W@52W.
- CRI: >80 for all CCTs.
- Low RTH, Down to 0.24°C/W.
- Compliance with ENERGY STAR Program Requirements for SSL Luminaires.
- High wattage up to 130W provides high flux solution to simple illumination system.
- 10000lm flux providing from LES 22 creates new possibilities of luminaires application.
- High bay.
- Track light.

Chip on Board



17.85(L)x17.85(W)x1.6(H)mm

LTPL-M09

- Chip on Ceramic PCB.
- Efficacy: 140lm/W for 15W and 25W models.
- CRI: >80 for neutral & cool white.
- Low RTH, Down to 0.76°C/W.
- Compliance with ENERGY STAR Program Requirements for SSL Luminaires.
- 12.6mm LES providing narrow beam solution with upto 50 watt driving.
- Ceramic PCB of M09 provides superior properties of high breakdown voltage and resistance to vulcanization.
- Down light.
- Par lamp.
- Track light.

Chip on Board



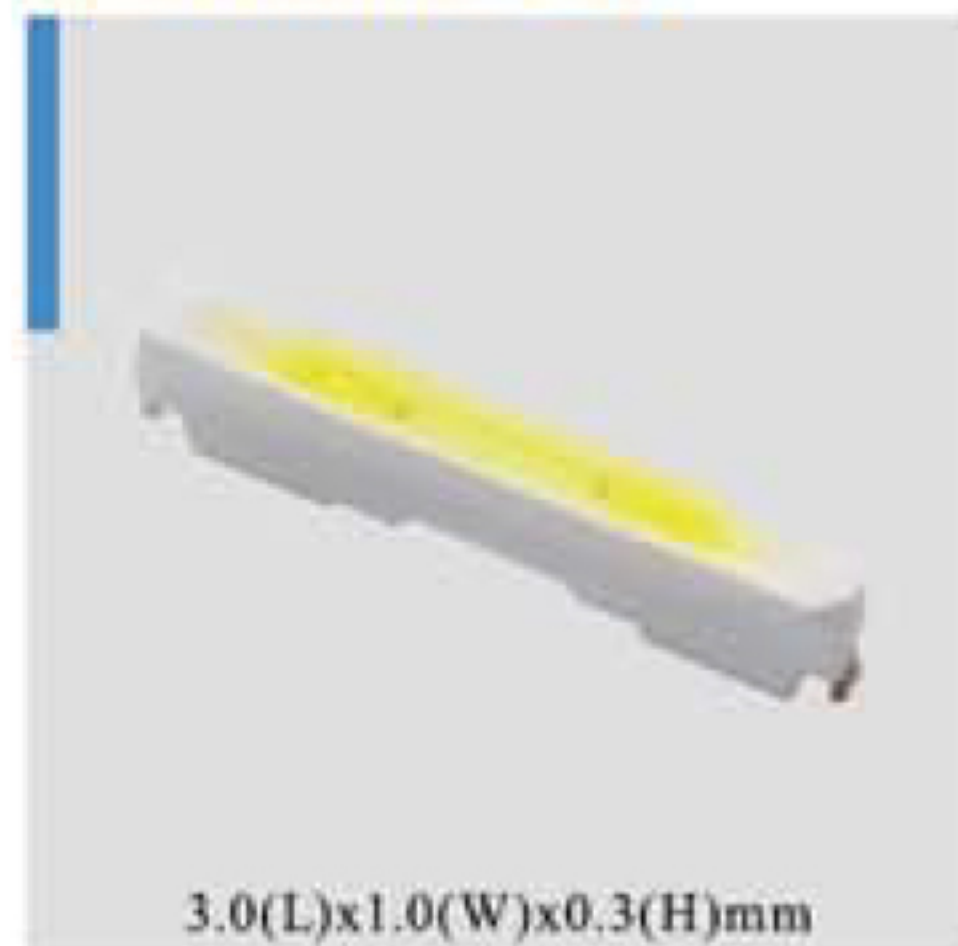
13.35(L)x13.35(W)x1.6(H)mm

LTPL-M13

- Chip on Ceramic PCB.
- Efficacy: 134lm/W@3.7W.
- CRI: >80 for warm & neutral white.
- Low RTH, Down to 2.5°C/W.
- Compliance with ENERGY STAR Program Requirements for SSL Luminaires.
- 6.3mm LES provides a extreme narrow beam solution benefiting small angel design.
- 4 sub-series (6 and 10 Watt solution plus 37 and 9 Voltage solution) are compatible to various luminaire design.
- Down light.
- Par lamp.
- Spot light.

SMD LED

HB White LED



3.0(L)x1.0(W)x0.3(H)mm

LTW-303

- Side view PLCC package.
- High brightness, low power consumption.
- Available for yellow phosphor white LED.

HB White LED



3.8(L)x1.0(W)x0.4(H)mm

LTW-010

- Side view PLCC package.
- High brightness, low power consumption.
- Available for yellow phosphor white LED.

HB White LED



3.8(L)x1.0(W)x0.6(H)mm

LTW-206

- Side view PLCC package.
- High brightness, low power consumption.
- Available for yellow phosphor white LED.

HB White LED



7.0(L)x3.0(W)x0.8(H)mm

LTW-7030

- Top view PLCC package high luminous flux, high efficacy.
- Available for Yellow phosphor white LED, red-green phosphor white LED.

HB White LED



7.0(L)x2.0(W)x0.8(H)mm

LTW-7020

- Top view PLCC package.
- High luminous flux, high efficacy.
- Available for yellow phosphor white LED, red-green phosphor white LED.

HB White LED

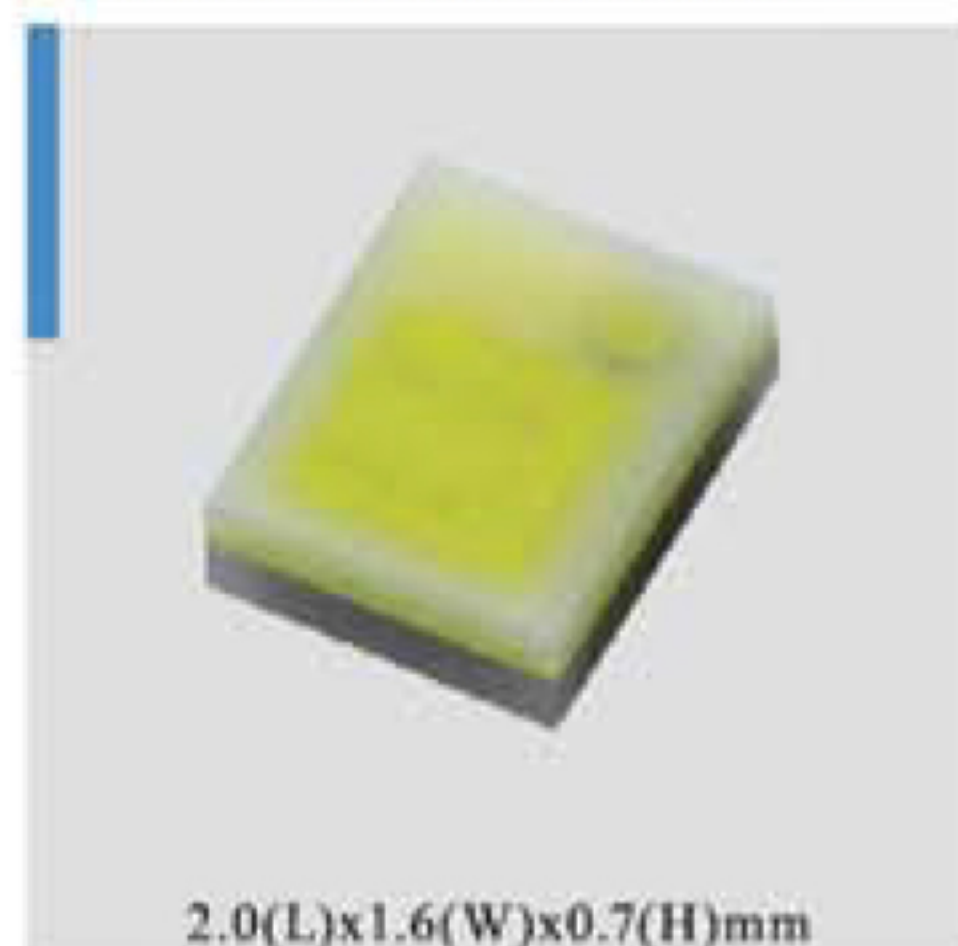


4.0(L)x4.1(W)x0.7(H)mm

LTW-L140

- Top view PLCC package.
- High luminous flux, high efficacy.
- Available for yellow phosphor white LED, red-green phosphor white LED.

SMD Power Flash



2.0(L)x1.6(W)x0.7(H)mm

LTPL-C0675

- High flux density with compact light emitting source.
- Rated 1.5 A max pulse current.
- Typical luminous flux: 240lm@ 1A.
- Camera phone.
- Handheld device.

SMD Power Flash



4.0(L)x4.0(W)x1.4(H)mm

LTPL-C0685

- Flash LED with optical lens.
- Simple assembly for surface mount & Compatible with IR reflow.
- Typical Illuminance 200lux at 1 meter, CRI 90.
- Rectangle Illumination Profile. (Aspect ratio 16:9)
- Camera phone.
- Handheld device.

SMD Power Flash



1.6(L)x1.0(W)x0.81(H)mm

LTPL-C095

- Smaller size for front flash design.
- Suitable for front and back flash application.
- Rated 1.0 A max pulse current.
- High CRI: 80 for all CCT.
- Typical luminous flux: 200lm @ 1A; 90lm@ 350mA.

SMD Power Flash



2.0(L)x1.6(W)x0.53(H)mm

LTPL-C0613

- High brightness in PCT type for high power application.
- Thin-sized 2016 type.
- Rated 500mA max pulse current.
- Typical luminous flux: 105lm@ 500A.

SMD PLCC



T680 B680

- PLCC2.
- White diffused lens.
- White face option available.
- Designed for electronic sign use.
- Available in all different colors upon request.
- Message signs.
- Automotive lighting.

SMD PLCC Full color



D353 / K393

- PLCC6.
- Designed for outdoor use.
- White diffused lens.
- Black body/Black face option available.
- Designed for outdoor electronic sign use.
- IPX7 certificate.
- Low pin height (0.9mm) to

ensure the best yield and lowest cost on waterproof process.

- Full color display.

SMD PLCC Full color



N383 / H383

- PLCC4.
- White diffused lens.
- Black body/Black face option available.
- Designed for electronic sign use.
- High luminance efficacy to reduce power consumption.
- Full color display.

SMD CHIP Full Color



LTST-B32J

- Full color display.
- Black PCB design.
- Surface roughness to avoid ambient light reflection.
- Designed for fine pitch electronic sign use.
- Wide viewing angle 120deg

- Special black diffused epoxy to achieve great contrast.
- Compact mobile equipment.

SMD CHIP Full Color



LTST-C28N

- Top View 0404 Tri-Color LED.
- The ultra-thin of full-color type.
- Keypad/Keyboard backlighting.
- Full color micro displays.

SMD Chip LED



LTST-C283

- Top View ChipLED, ultra-thin size 1.0x0.6mm, t=0.20mm.
- Ultra-compact makes a high degree of expressiveness for use in high resolution, high density matrix applications.

- Wide viewing angle 130°.
- Available in a variety of colors.
- Mobile keypad backlight.
- Compact mobile equipment.
- LED matrix-like display.

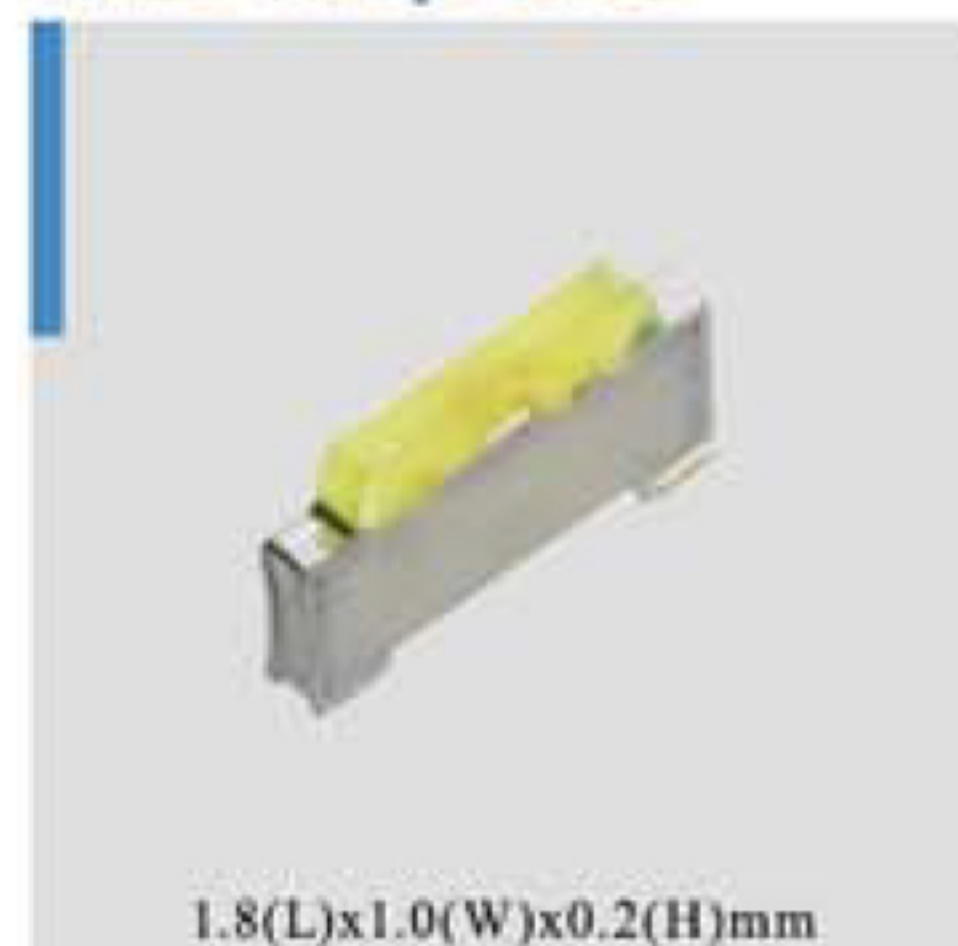
SMD Chip LED



LTW-C285 / LTST-C285

- Top View 0402 Bi-Color LED.
- World's smallest dual color.
- Wearable device.
- Digital matrix display.

SMD Chip LED



LTST-S483

- Side View ChipLED 0.2t ultra-thin.
- The ultra-compact of side view product supports requiring low profile, high density mounting.
- Wide viewing angle 130°C.
- Available in a variety of colors.
- Mobile keypad backlight.

- Keyboard backlight.

SMD PLCC Full color



G563 / K563

- PLCC6.
- White diffused lens.
- Black face option available.
- Designed for electronic sign use.
- Full color display.
- Status indicator.
- Decorative lighting.

SMD PLCC Full color



E682 / N682 N683 / G683

- PLCC4/ PLCC6.
- White diffused lens.
- PLCC 4 Black face option available.
- Dual color option available.
- Designed for electronic sign use.
- Available in a variety of color

- and luminance selection.
- 3C backlight.
- Status indicator.
- Decorative lighting.
- Automotive lighting.

SMD PLCC Full color



H213

- PLCC4.
- White diffused lens.
- Black-Body.
- Designed for electronic sign use.
- Full color display.

SMD CHIP Full Color



LTST-B68J

- Ultra-thin and tiny size.
- Black PCB design.
- Surface roughness to avoid ambient light reflection.
- Designed for fine pitch electronic sign use.
- Common cathode version available.
- Wide viewing angle 120deg.

- Special black diffused epoxy to achieve great contrast.
- Full color display.
- Compact mobile equipment.

SMD Chip LED



LTW-C198 / LTST-C198

- High brightness and thin-sized chipled.
- High Brightness, Up to 170mcd.
- Available for all Colors.
- Mobile Phone.
- Keypad Backlight.

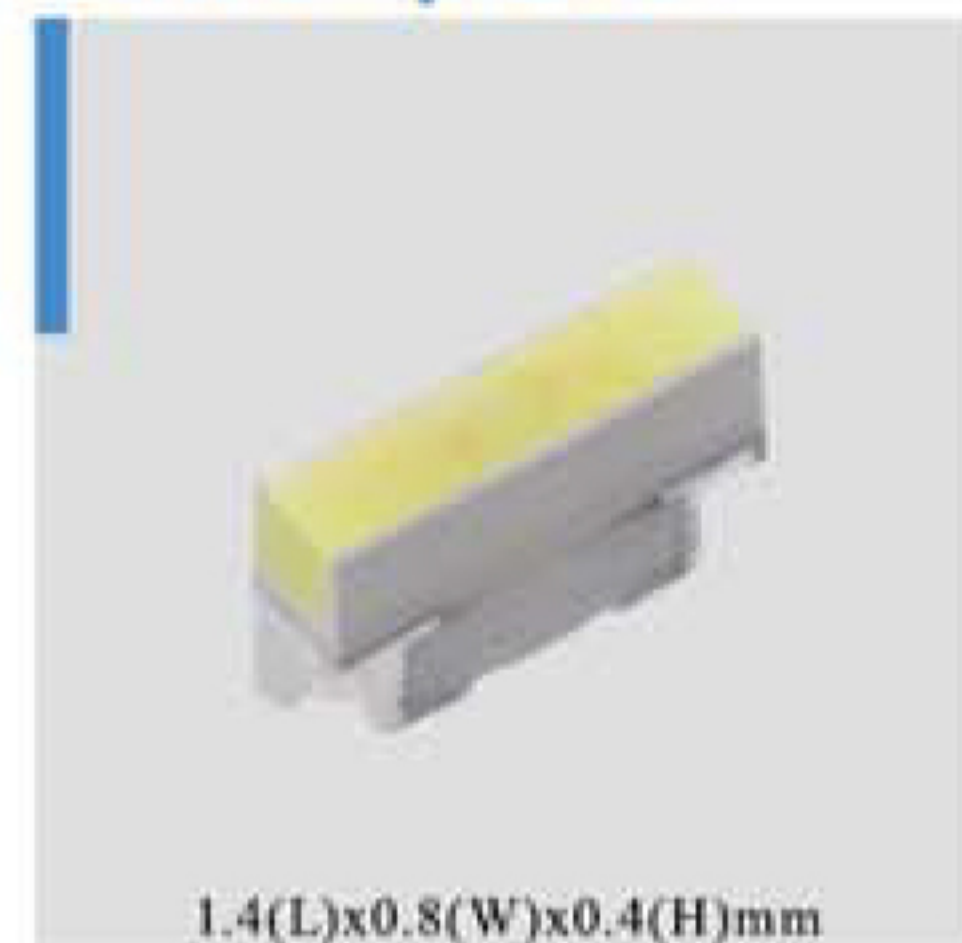
SMD Chip LED



LTW-C371 / LTST-C371

- Top View 0201 Single Color LED.
- World's smallest LED package.
- Wearable device.
- Display backlighting.

SMD Chip LED



LTST-S850 / LTW-S850

- Side View ChipLED 0.4t with a reflector.
- The ultra-compact of side view product supports ultra-bright.
- Wide viewing angle 130°C.
- Available in a variety of colors.
- Mobile keypad backlight.
- Keyboard backlight.

SMD Chip LED



LTST-S33F

- World's smallest side view multi color ChipLED.
- ultra-small and ultra-thin configuration with ultra-bright.
- 4 pin required by triple function design.
- Wide viewing angle 130° C.
- Available in a variety of colors.
- Mobile keypad backlight.
- Keyboard backlight.

SMD Chip LED



LTSA-C150/170/191

- Top View ChipLED.
- Bass on AEC- Q101D.
- Ultra-compact makes a high degree of expressiveness for use in high resolution, high density matrix applications.
- Wide viewing angle 130°
- Available in a variety of colors.
- Automotive Lighting.

Mini Top LED



LTSA-M67

- MiniTOPLED.
- White diffused lens.
- Based on AEC-Q101D.
- Designed for automotive application.
- Available in a variety of color.
- View angle 120°.
- Operation Temp 100° C.
- MSL 2a.
- Automotive interior solution.
- Switch, Dashboard, Sign Mark solution.

SMD PLCC 2



LTSA-T680

- PLCC2.
- White diffused lens.
- Based on AEC-Q101D.
- Designed for automotive application.
- Available in a variety of color.
- View angle 120°.
- Operation Temp 100° C.
- MSL 2a.
- Automotive interior solution.
- Automotive sign mark solution.

SMD PLCC 4



LTSA-E67R

- PLCC4.
- White diffused lens.
- Based on AEC-Q101D.
- Designed for automotive application.
- Available in a variety of color.
- View angle 120°.
- Operation Temp 100° C.
- MSL 2a.
- Automotive CHMSL.
- Automotive RCL.

SMD PLCC 6



LTSA-G6S

- PLCC6.
- White diffused lens.
- Based on AEC-Q101D.
- Designed for automotive application.
- Available in a variety of color.
- View angle 120°.
- Operation Temp 110° C.
- MSL 2.
- Junction Temp 125° C max.
- Automotive Turning Light.
- Automotive RCL.

PLCC RGB



LTSA-G683

- TOP PLCC RGB.
- White diffused lens.
- Based on AEC-Q101D.
- Designed for automotive application.
- Available in full color.
- View angle 120°.
- Operation Temp 110° C.
- MSL 2.
- Junction Temp 125° C max.
- Automotive interior solution.
- Switch, Dashboard, Sign Mark solution.

SMD Power



LTPA-P35

- PLCC 1W.
- Anti-Sulfur Design.
- High lm/\$.
- 80lm@350mA. (PC Amber)
- 100lm@350mA. (CCT 5600K)
- Available in full color.
- View angle 120°.
- Junction Temp 115° C max.
- Automotive aftermarket eg: DRL, Reading light.
- Automotive Working Lamp.

SMD Power



LTPA-C35

- Chip on Ceramic 3535.
- LED with optical lens.
- 135lm@350mA.
- 235lm@700mA. (white color)
- Automotive aftermarket eg: DRL, Reading light.
- View angle 120°.
- Operation Temp 125° C.
- MSL 2.
- Junction Temp 145° C max.
- Automotive DRL.
- Automotive Working Lamp.

SMD Power



LTPA-S38

- Flip chip on Ceramic 3838.
- Low Voids Solution.
- 235lm@ 700mA. (CCT 5600K)
- Slim Design
- Black Package for High Stability
- View angle 120°
- Operation Temp 125° C
- MSL 1.
- Junction Temp 150° C max.
- Automotive DRL, Fog Light.

HEAD LAMP



LTPL-H5S6438

- Slim Design.
- High Brightness.
- Based on AEC-Q101D.
- 1600lm@1000mA. (CCT 5600K)
- 17v @1000mA.
- View Angle 118°.
- Low Thermal Resistant.
- Low Voids Solution.
- Operation Temp 125° C.
- MSL 1.
- Junction Temp 150° C max.
- Automotive Headlamp, High/Low Beam solutions.

5mm Lamp



LTLA2R3

- 5 mm round Lamp.
- High Brightness.
- Good Reliability.
- View angle- 30 deg.
- Color
- Red: 3600~16000mcd.
- Yellow: 3800~16000mcd.
- Motorcycle Lamp.

CBI



LTL-42M7NH51 / LTL42TB6NH51

- Circuit Board Indicator.
- Lateral light.
- Good Reliability.
- Ceramic based Single Color.
- Dual Color.
- Networking.
- Home appliance.

5mm round Lamp



LTL2R3EW3KS / LTL2R3YW3KS LTL2R3TGY3KS / LTL2R3TBV3KS

- 5 mm round Lamp.
- High Brightness.
- Good Reliability.
- Excellent light pattern for VMS.
- View angle- 15 deg- 23 deg- 30 deg.
- Red: 3600~16000mcd.
- Yellow: 3800~16000mcd.
- Pure Green: 7800~27000mc.
- Blue: 2600~8300mcd.
- Traffic sign.
- Outdoor message sign.

4mm oval lamp



LTL4HMYNADS / LTL4VMEPADS

- 4 mm oval Lamp.
- High Brightness.
- Good Reliability.
- Various kinds of intensity level solutions.
- Wider view angle 120/60 deg.
- Red/Yellow color.
- Red: 1000mcd.
- Yellow: 1000mcd.
- Outdoor message sign.
- Bus sign.

3mm oval lamp



LTL3H3ERADS / LTL3H3TGUADS LTL3H3TBPADS

- 3 mm oval Lamp.
- High Brightness.
- Good Reliability.
- Wider view angle 100/ 45 deg.
- Red/Blue/ Green color.
- Red: 2500mcd.
- Green: 3800mcd.
- Blue: 880mcd.
- Outdoor message sign.
- RGB video signboard.

White Lamp



LTW-17H DU6J / LTW-17KDU3Z

- 3 mm round Lamp.
- 4 mm round/oval Lamp.
- 5 mm round/oval Lamp.
- High Brightness.
- Good Reliability.
- Good uniformity.
- View angle- 15 deg- 25 deg- 45 deg- 60 deg.
- Bluish White Normal White.
- Home appliance.
- Traffic sign.

RGB 4pin



LTL750RGBHBJ / LTL760RGBEJB

- 5 mm 4pin RGB Lamp.
- High Brightness.
- Good Reliability.
- LTL750RGBHBJ, 4 pin pitch 1.27mm.
- LTL760RGBEJB, 4 pin pitch 2.54mm.
- Networking.
- Keyboard/Mouse.

0.5W lamp



LTW2H3D51K / LTW2P3D52K LTW2R3D43K / LTW4V3D42K

- 5 mm round/oval Lamp.
- High Brightness.
- Good Reliability.
- Good uniformity.
- View angle- 15 deg- 23 deg- 30 deg- Oval.
- White color 27000 to 59000 mcd@ 80mA.
- Traffic sign.
- Outdoor message sign.

SMT CBI



LTL-M12YG1H300Q

- Circuit Board Indicator.
- Surface mounting.
- Good Reliability.
- IR reflow.
- Single Color.
- Dual Color.
- Networking.
- Home appliance.

SMT lamp



LTL942Y / LTL942E LTL942TB / LTL942TG

- SMT lamp.
- High Brightness.
- Good Reliability.
- Good uniformity.
- View angle 30 deg.
- Yellow: 9300mcd.
- Red: 9300mcd.
- Blue: 4300mcd.
- Green: 21000mcd.
- Outdoor message sign.
- Bus sign.

LED DISPLAY

SMD module



LTM-0124M-01

- Low power requirement.
- Solid State reliability.
- 16 x 32 array with X-Y select.
- Multicolor displays are applicable to three bright colors.
- 1/16 duty Dynamic scan method.
- Control method: shift register type.
- Text with PWM driven ICs.
- Stackable horizontally.
- Categorized for Luminous intensity.
- Message sign.

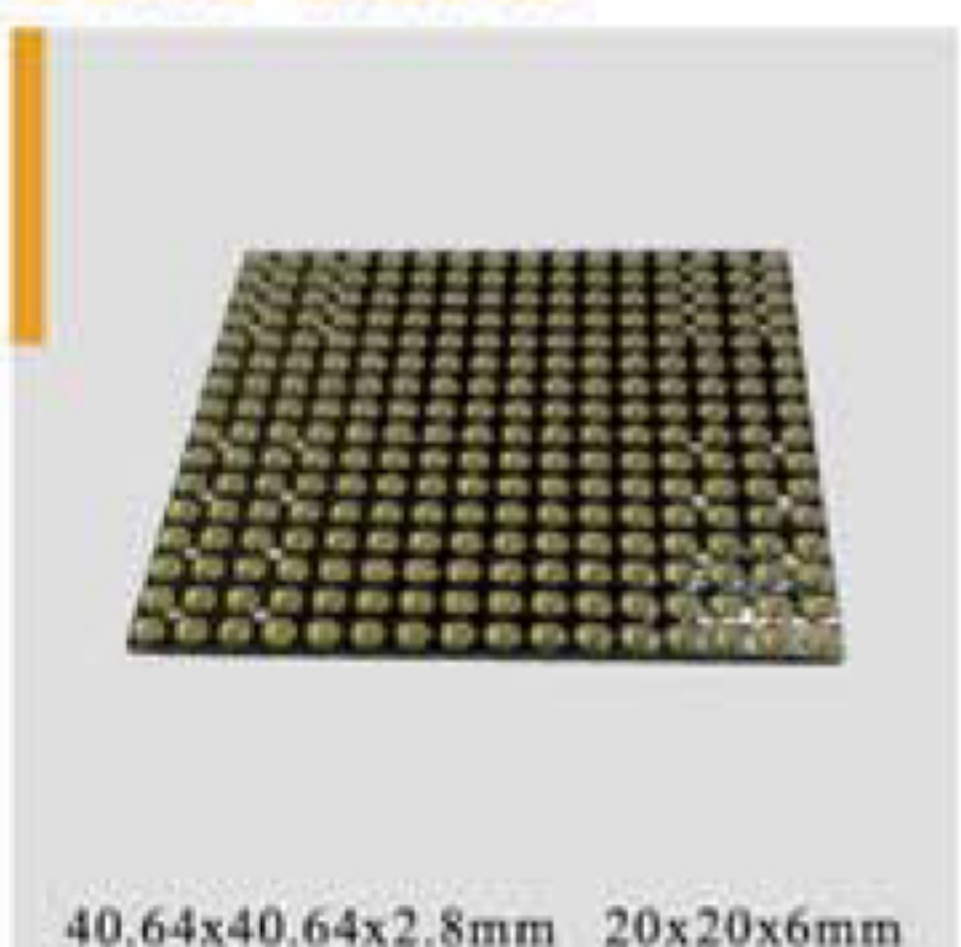
RGB module



LTM-1602SF

- Low power requirement.
- Solid State reliability.
- 32x64 array with X-Y select.
- Multicolor displays are applicable to three bright colors.
- 1/8 duty Dynamic scan method.
- Control method: shift register type.
- Text with PWM driven ICs.
- Stackable horizontally.
- Categorized for Luminous intensity.
- Message sign.

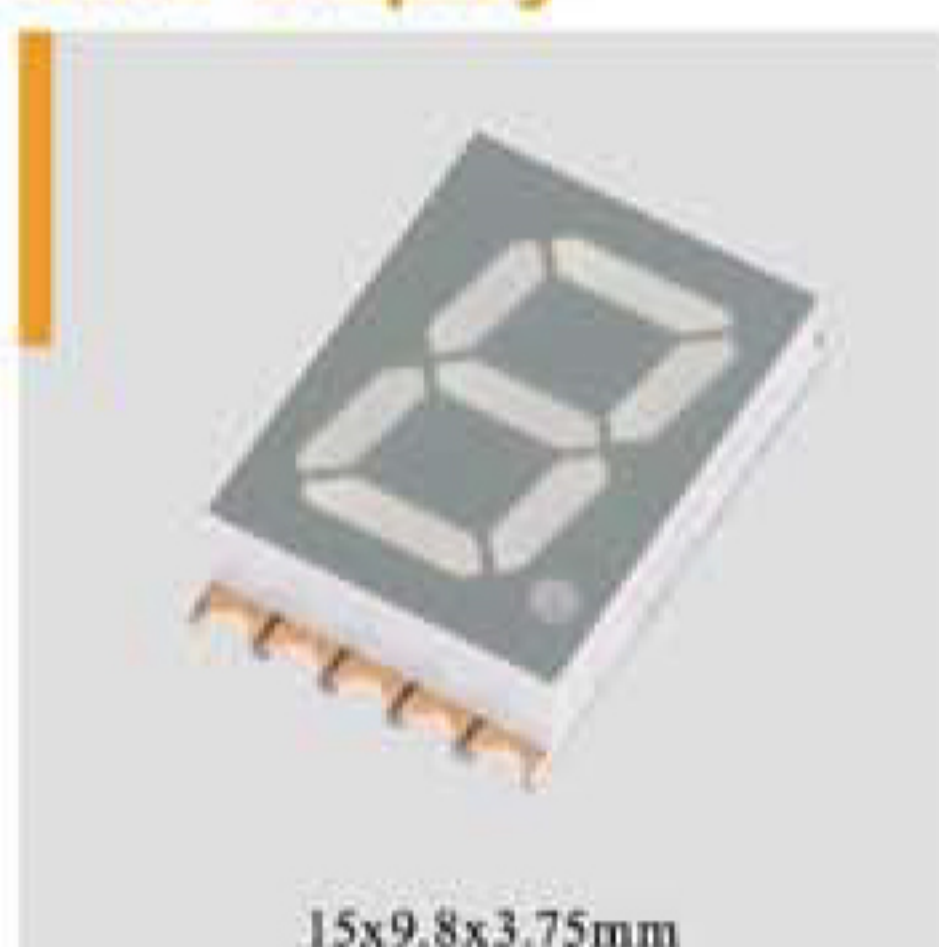
Dome matrix



LTP-158FFKF / LTP-7588SF (RGB)

- 16x16 matrix, ø 2.
- 8x8 matrix, ø 2.
- 1/16 duty dynamic scan method.
- Wide viewing angle.
- Low power requirement.
- Excellent characters appearance.
- High brightness & high contrast.
- Solid state reliability.
- Stackable vertically and horizontally.
- Message sign.

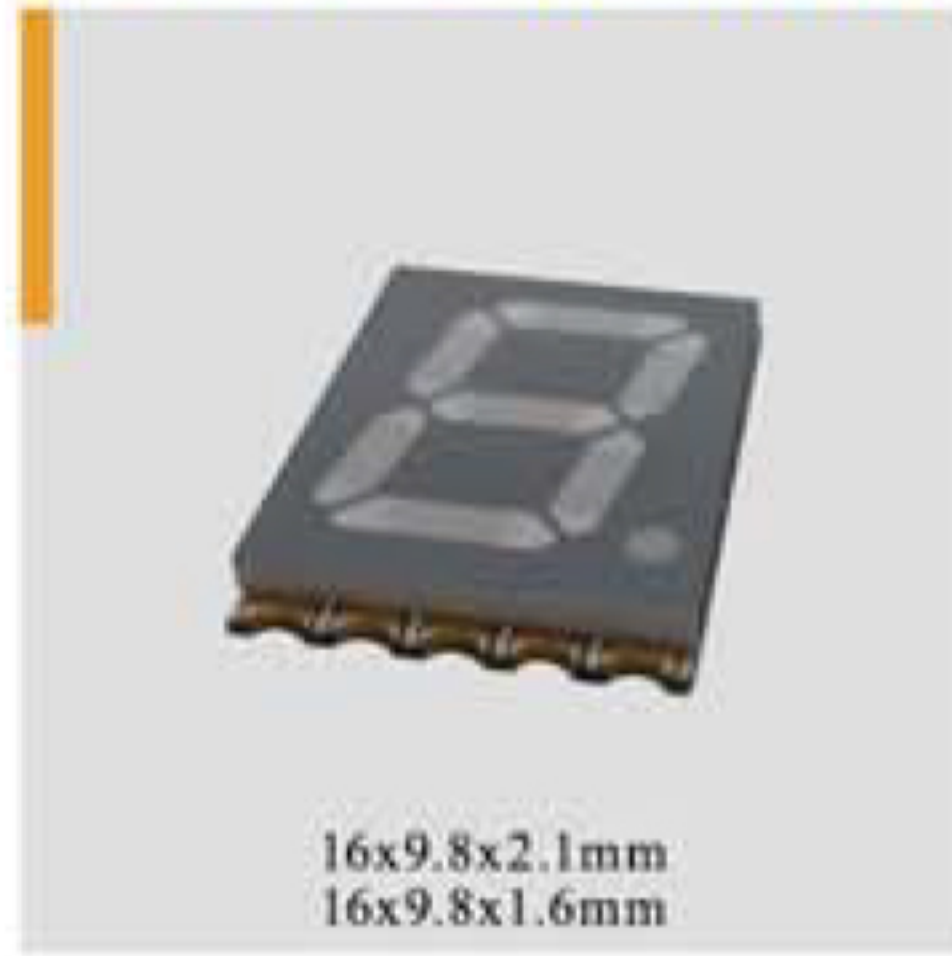
SMD display



LTS-4812CKR-PM

- 0.39 inch (10.0 mm) DIGIT HEIGHT.
- Continuous uniform segments.
- Low power requirement.
- Excellent characters appearance.
- High brightness & high contrast.
- Wide viewing angle.
- Solid state reliability.
- Categorized for luminous intensity.
- Reflow able SMD display.
- Lead free package. (according to RoHS)
- Instrument \ Industry.

Reverse SMD display



LTS-4817CKR-P / LTS-4822CKR-P

- 0.39 inch (10.0 mm) DIGIT HEIGHT.
- Continuous uniform segments.
- Low power requirement.
- Excellent characters appearance.
- High brightness & high contrast.
- Wide viewing angle.
- Solid state reliability.
- Categorized for luminous intensity.
- Reflow able SMD display.
- Lead free package. (according to RoHS)
- **Instrument \ Industry.**

Channel Letter



LTM-1419W-01-LT

- No light spot, low decay and good consistency.
- Waterproof IP65 rating.
- High brightness & high contrast.
- Comes with several range of color temperature: 2800~3200k /4000~4500k /7000~8000k/ 10000-14000k.
- Injection outer cover, beautiful and unique appearance.
- Warranty 15,000 hours.
- Channel letter lighting.
- **Advertisement backlighting.**

BLM Logo



LTB-Dxxx

- Excellent uniformity.
- Solid state reliability.
- Green product.
- Low profile thickness.
- High brightness & high contrast.
- **Backlight module.**

Sensor Touch Display



LTM-xxxx

- Alternative to mechanical buttons and sliders.
- Display value added and make circuit at system side simpler.
- Works with a variety of overlay materials and thicknesses.
- Total thickness can be reduced to less than 3 mm.
- sensor sensitivity can still be kept even with cover plane.
- no bending issue even with big size due to free from epoxy material.
- **Home appl \ elevator.**

PTIR

Photolink



LTDL-TA16XXX & RX16XXX LTDL-TA25XXX & RX25XXX LTDL-TA50XXX

- TX:**
 - TTL Interface compatible.
 - High speed optic signal transmission.
 - Build in LED driver.
 - Low power consumption
- RX:**
 - High PD sensitivity optimized for red light. (650nm)
- Data Rates between 16Mbps to 25Mbps.
- Low power consumption for extended battery life.
- Build-in threshold control avoid noise interference.
- NB & DT.
- Audio system.

Infrared IR/PTR



5mm IR	LTE-3279K	LTE-3271B	LTE-3271BL	LTE-3371T
	LTE-5228A	LTE-4208	LTE-4238R	LTE-3677
	LTE-3376	LTE-3372	LTE-2872U	LTE-3370L
	LTE-3226	LTE-3220L	LTE-32B0L	LTE-3276
	LTE-32F0L	LTE-7F70L	LTE-7072	
3mm IR	LTE-1650	LTE-4206	LTE-209	LTE-4209
	LTE-18G3N	LTE-16K3L	LTE-14H	LTE-16H
LTE-18H				
side look IR	LTE-302L	LTE-309	LTE-306	LTE-304
	LTE-7737L			
5mm PTR	LTR-323DB	LTR-7019D	LTR-3208	
3mmPTR	LTR-1650D	LTRP4206	LTR-209	
side look PTR	LTR-301	LTR-306	LTR-309	
	LTR-5579DP1		LTR-5986H	LTR-5888DH
	LTR-5576D	LTR-516AB	LTR-516AD	LTR-526AD
	LTR-536AD	LTR-546AB	LTR-546AD	
	LTR-733DBM1-TA			

Various Thru Hole device also available

- LTE-2872U & LTE-4208 are UL approved for fire detector.
- LTE-2872U matches with LTR-536AD & LTE-4208 matches with LTR-323DB.
- There are various view angle from 30° to 50° for Remote controller.
- There are high speed with various view angle from 15° to 60° for Securing Camera.
- LTE-4206<R-588X are paired for mouse. application
- Selected to specific on-line intensity and radiation intensity ranges.
- Fire detector.
- CCTV.
- Remote controller.
- Mouse.
- Touch screen.
- IP cam.
- Medical.

SMD IR/PTR



LTE-C1501	LTE-C1506	LTR-1503	
LTE-C1901	LTE-C1906	LTR-1903	
LTE-C9301	LTE-C9306	LTR-C9303	
LTE-C216	LTE-C211	LTE-S9511TS	
LTE-S3201	LTE-S3206	LTR-S320	
LTE-S9511	LTR-S951	LTE-S9711	LTR-S971
LTE-C9501	LTR-C950	LTE-S330	LTR-S330
LTE-C9901	LTE-C195	LTR-C155	
LTR-C5510/C5511			

Various SMD package also available

- SMD type Infrared Emitter and Photo Transistor.
- Compatible with infrared and vapor phase reflow solder process.
- Meet ROHS, Green Product.
- proximity sensor.
- remote controller.
- Touch screen.
- Reflective sensor control.
- CCTV.
- IP cam.
- Medical.

High Power IR



850nm:	LTE-R38386-S	LTE-R38386-ZF
	LTE-R38386S-S	LTE-R38386S-ZF
	LTE-R38386-SE8	LTE-R38386-ZFE8
940nm:	LTE-R38381-S	LTE-R38381S-S

- High power SMD Infrared Emitter. (1.2~3.4W)
- High radiant intensity with low power consumption.
- High performance and quality.
- 850nm/940nm are available
- Various view angle.
- CCTV.
- IP cam.
- IRIS recognition.
- Face recognition.
- Automotive.
- Gesture.

OPTICAL SENSOR

Bowl Infrared LED



855nm: LTE-C249 940nm: LTE-C269

- Miniature Package. (Low Profile height of 1.6mm & 0.9mm ht)
- High output. (mW/Sr)
- No lens required to achieve narrow viewing angle.
- Eliminate cross talk.
- Peak wavelength. (855nm & 940nm)
- **Mobile, Notebook, Industrial, Tablet, Remote control.**

IrDA



HSDL-3201 HSDL-3208

- IrDA data compliant low power 115.2kbit/s infrared transceiver.
- Miniature Package.
- Low Power Consumption.
- **Medical Diagnostics, Water/ Gas/ Power Meter, Mobile, Notebook, Printers.**

Digital Light Sensors



LTR-303ALS LTR-308ALS

- Miniature Package.
- I2C Interface.
- Low Power Consumption.
- Close to Human Eye Spectral Response.
- Wide Dynamic Range including low lux capability.

LTR-329ALS

- Mobile, Notebook, Tablet, Industrial, Wearable devices.

Digital Proximity Sensors



LTR-659PS

LTR-676PS (Small Window) LTR-706PS (VCSEL, Small Window)

- Miniature Package.
- I2C Interface.
- Low Power Consumption.
- Close to Human Eye Spectral Response.
- Wide Dynamic Range including low lux capability.
- Mobile, Notebook, Tablet, Industrial, Wearable devices.

Integrated 2-in-1



LTR-507ALS

- Miniature Package.
- I2C Interface.
- Low Power Consumption.
- Close to Human Eye Spectral Response.
- Wide Dynamic Range including low lux capability.
- Mobile, Notebook, Tablet,

Industrial, Wearable devices.

Integrated 3-in-1



LTR-559ALS (Standard)

LTR-578ALS (Small Window) LTR-778ALS (VCSEL, Small Window)

- Miniature Package.
- I2C Interface.
- Low Power Consumption.
- Close to Human Eye Spectral Response.
- Wide Dynamic Range including low lux capability.
- Mobile, Notebook, Tablet, Industrial, Wearable devices.

RGB + Digital Light Sensors



LTR-380RGB

- Miniature Package.
- I2C Interface.
- Low Power Consumption.
- Close to Human Eye Spectral Response.
- Color temperature (Red, Green & Blue) respective lux readings.
- Wide Dynamic Range

including low lux capability
• Mobile, Notebook, Tablet, Industrial, Wearable devices.

RGB + Integrated 3-in-1



LTR-580RGB

LTR-588RGB (Small Window)

- Miniature Package.
- I2C Interface.
- Low Power Consumption.
- Close to Human Eye Spectral Response.
- Color temperature (Red, Green & Blue) respective lux readings.
- Wide Dynamic Range including low lux capability.
- Mobile, Notebook, Tablet, Industrial, Wearable devices.

UV + Digital Light Sensor



LTR-390UV-01

- Miniature Package.
- I2C Interface.
- Low Power Consumption.
- Ambient Light / Ultraviolet Light (UVS) Technology in one ultra small ChipLED package.
- Very low power. consumption with sleep

mode capability.
• Wide Dynamic Range including low lux capability.
• Mobile, Notebook, Tablet, Industrial, Wearable devices.

UV + Integrated 3-in-1



LTR-590UV-01

- Miniature Package.
- I2C Interface.
- Low Power Consumption
- Ambient Light / Ultraviolet Light (UVS) Technology in one ultra small ChipLED package.
- Very low power consumption with sleep
- mode capability
- Wide Dynamic Range including low lux capability.
- Mobile, Notebook, Tablet, Industrial, Wearable devices.

Gesture + Integrated 3-in-1



LTR-91400

- Miniature Package.
- I2C Interface.
- Low Power Consumption.
- Gesture sensor. (6 directional movement)
- Close to Human Eye Spectral Response.
- Wide Dynamic Range including low lux

capability.
• Mobile, Notebook, Tablet, Industrial, Wearable devices.

Analog



LTR-810HR LTR-811HR (3x3mm Photodiode)

- Miniature Package.
- I2C Interface / Analog.
- Low Power Consumption.
- Fully integrated solution with 2 LED emitters (525nm), photodetector, AFE, ADC, LED drivers.
- Two operation mode for
- sampling. (Auto Repeat Mode / One Shot Mode)
- Low active power consumption with standby mode.
- Large photodiode sensitivity area for better HRM accuracy.
- Wearable devices.

Digital Integrated



LTR-800HR (AFE, Module Package)

LTR-801SHR (AFE, Accelerometer, Module Package)

LTR-806HR (AFE, SMT Package) LTR-820HR (DSP, SMT Package)

- Miniature Package.
- I2C Interface / Analog.
- Low Power Consumption.
- Fully integrated solution with 2 LED emitters (525nm), photodetector, AFE, ADC, LED drivers.
- Two operation mode for
- sampling. (Auto Repeat Mode / One Shot Mode)
- Low active power consumption with standby mode.
- Large photodiode sensitivity area for better HRM accuracy.
- Wearable devices.

PHOTOCOUPLER

Mini Flat Transistor & Darlington (SOP4)



LTV-352T* / LTV-354T (AC input) LTV-355T* / LTV-356T LTV-357T LTV-35XT-G (Halogen Free solutions)***

- Current transfer ratio (CTR) : 20% to 400%@IF = ±1mA, VCE = 5V (AC)50% to 600%@IF=5mA, VCE = 5V. (DC)
- High input-output isolation voltage. (Viso=3,750Vrms)
- Subminiature type (The volume is smaller than conventional DIP type by 30%.
- Employs double transfer mold technology.
- Safety approval: UL / cUL / CSA / Nordic / VDE. (CQC is optional)
- DarlingtonCTR: Min>1000%.
- **Darlington CTR Min>600%.
- ***Halogen Free.
- RoHS Compliance.
- ESD HBM 8000V/MM2000V/CDM2000V.
- Hybrid substrates that require high density monitoring.
- Programmable logic controllers.
- Home appliance.

Long Mini-Flat transistor (LSOP4 & LSOP5)



LTV-10XX-G (LSOP4) LTV-11XX-G (LSOP5)

- Creepage. distance>8mm-Current transfer ratio (CTR) : min 50%@IF=5mA, VCE = 5V. (DC)
- High input-output isolation voltage. (Viso=5,000Vrms)
- High collector-emitter voltage. (Vceo=70V)
- Employs double transfer mold technology.
- Safety approval:UL/cUL/VDE/ CQC/Nordic Safety.
- RoHS Compliance.
- ESD HBM 8000V/MM2000V/CDM2000V-MSL 1.
- Halogen Free.
- Hybrid substrates that require high density monitoring.
- Programmable logic controllers.
- Home appliance.
- Mobile Charger.
- TV Power.

Transistor & Darlington Output (1 CH DIP4, DIP6; 2CH DIP8; 4CH DIP16)



LTV-8X4
(AC input; 1CH 814, 2CH 824, 4CH 844)
AC input DIP6 LTV-733
LTV-8X7
(DC input; 1CH 817, 2CH 827, 4CH 847)
DC input DIP6 LTV-702
CNY17 series, 4N25, 4N35
LTV-8X6
(DC input; 1CH 816, 2CH 826, 4CH 846)
LTV-8X5*
(Darlington; 1CH 815, 2CH 825, 4CH 845)
LTV-852**
LTV-8XX-G
(Halogen Free solutions)***

- Current transfer ratio (CTR) : 20% to 300% @ IF = ±1mA, VCE = 5V (AC)
50% to 600% @ IF = 5mA, VCE = 5V (DC)
- High input-output isolation voltage. (Viso=5,000Vrms)
- Employs double transfer mold technology.
- Safety approval: UL / cUL / CSA / Nordic / VDE. (CQC is optional)
- *Darlington CTR: Min>600%.
- **Darlington CTR Min>1000%.
- ***Halogen Free.
- RoHS Compliance.
- ESD HBM. 8000V/MM2000V/CDM2000V
- Switching mode power supply and charger.
- Computer terminals.
- Home appliance.
- System appliances, measurements.
- Programmable logic controllers.
- Signal transmission between circuit of different potentials and impedances.

Half Pitch Transistor & Darlington



LTV-2X4
(AC input; 1CH 214, 2CH 224, 4CH 244)
LTV-2X7
(DC input; 1CH 217, 2CH 227, 4CH 247)
LTV-215 (1CH Darlington)
LTV-245 (4CH Darlington)
LTV-2XX-G (Halogen Free solutions)**

- Current transfer ratio (CTR) : 20% to 400% @ IF = ±1mA, VCE = 5V (AC)
50% to 600% @ IF = 5mA, VCE = 5V (DC)
- High input-output isolation voltage. (Viso=3,750Vrms)
- Employs double transfer mold technology.
- Safety approval: UL / cUL / CSA / Nordic / VDE. (CQC is optional)
- Darlington CTR: Min>600%.
- **Halogen Free.
- RoHS Compliance.
- ESD HBM 8000V/MM2000V.
- Switching mode power supply and charge.
- Sequene controllers.
- System appliances, measurements.
- I/O Interface for Programmable controllers, computer.
- Signal transmission between circuit of different potentials and impedances.

Dual Channel Transistor (SOP8)



LTV-200 series

- Current transfer ratio (CTR) : min 20% @ IF=10mA, VCE = 5V (DC)
- High input-output isolation voltage. (Viso=3,750Vrms)
- Employs double transfer mold technology
- Safety approval: UL / cUL / VDE
- RoHS Compliance
- Feedback Control Circuits
- Feedback element in switchingmode power supplier
- Monitor & Detection Circuits

PhotoTriac (DIP6)



LTV-3023 / LTV-3052
LTV-3063 / LTV-3083

- Randon phase (302x/305x)
- Zero crossing (306x/308x)
- High input-output isolation voltage. (Viso=5,000Vrms), VDRM: 400V-800V
- Trigger currnet (IFT): < 5mA.
- 115°C working temperature.
- Safety approval : UL/cUL / VDE / CSA / Nordic / CQC
- ESD HBM 8000V/MM2000V/CDM2000V.
- AC Motor drivers and starters.
- E.M. contactors.
- Lighting controls.
- Solenoid / Valve controls.
- Solid state relays.
- Static Power Switches.
- Temperature controls.

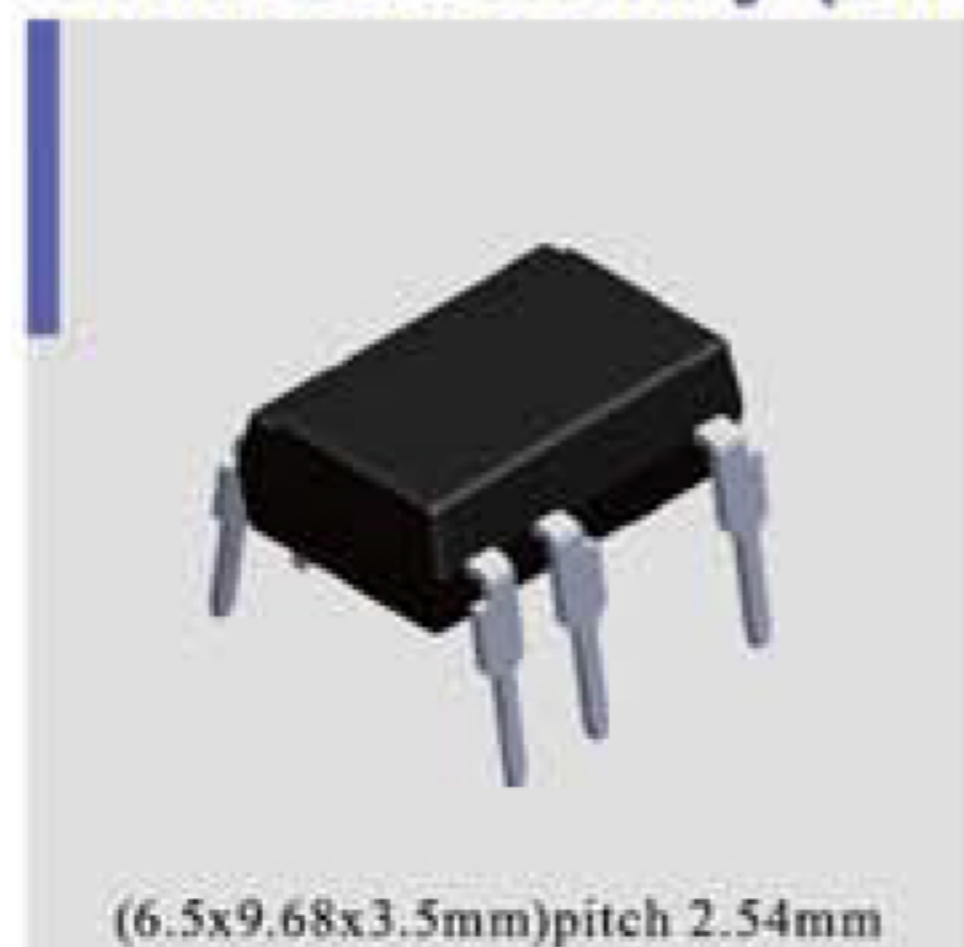
Mini Flat PhotoTriac (SO4)



MOC3023 / MOC3052
MOC3063 / MOC3083

- Randon phase. (302x/305x)
- Zero crossing. (306x/308x)
- High input-output isolation voltage. (Viso=5,000Vrms)
- High input-output isolation voltage. (Viso=3,750Vrms), VDRM: 400V-800V
- Trigger currnet (IFT): < 5mA.
- 110°C working temperature.
- Safety approval : UL / VDE / CSA / FIMKO / CQC.
- ESD HBM 8000V/MM2000V/CDM2000V.
- AC Motor drivers and starters.
- E.M. contactors.
- Lighting controls.
- Solenoid / Valve controls.
- Solid state relays.
- Static Power Switches.
- Temperature controls.

Solid State Relay (DIP8)



LTV-0213 LTV-0223 LTV-1213
LTV-1223 LTV-2213 LTV-2223
LTV-3213 LTV-3223

- Randon phase (X223), IT(RMS) 0.3A / 0.6A / 0.9A / 1.2A.
- Zero crossing (X213), IT(RMS) 0.3A / 0.6A / 0.9A / 1.2A.
- High input-output isolation voltage. (Viso=5,000Vrms), VDRM: 600V.
- Trigger currnet (IFT): < 10mA.
- Safety approval : UL/ cUL/ VDE/ CQC/ DEMKO.
- ESD HBM 8000V/MM2000V/CDM2000V
- AC Motor drivers and starters.
- E.M. contactors.
- Solenoid / Valve controls.
- Solid state relays.
- Static Power Switches.
- Temperature controls.

IGBT Gate Driver (SOP5)



LTV-155E

- 0.6 A maximum peak output current.
- Rail to Rail output voltage.
- 500ns maximum propagation delay.
- High input-output isolation voltage. (Viso=3,750Vrms)
- Common mode transient immunity: ±20kV/μs(min)
- ICC = 3 mA maximum supply current.
- Wide operating range: 10 to 30 Volts. (VCC)
- Guaranteed performance over temperature -40°C ~ +105°C.
- Safety approval : UL / cUL / VDE.
- IGBT/MOSFET gate drive.
- Uninterruptible power supply. (UPS)
- Industrial Inverter.
- PDP TV.

IGBT Gate Driver (LSOP6)



LTV-340P (1A, 15-30V)
LTV-340W (1A, 15-30V)
LTV-341P (3A, 15-30V)
LTV-341W (3A, 15-30V)
LTV-314P (1A, 10-30V)
LTV-314W (1A, 10-30V)

- Package clearance / creepage at 8mm.
- 3A maximum peak output current.
- Rail to Rail output voltage.
- 500ns maximum propagation delay.
- 100ns maximum propagation delay difference.
- 15 kV/us minimum Common Mode Rejection(CMR) at VCM = 1500 V.
- High input-output isolation voltage. (Viso=5,000Vrms)
- ICC = 3.0 mA maximum supply current.
- Wide operating range: 10 to 30 Volts. (VCC)
- Guaranteed performance over temperature -40°C ~ +105°C.
- Safety approval : UL / cUL / VDE / CQC.
- IGBT/MOSFET gate drive.
- Uninterruptible power supply. (UPS)
- Industrial Inverter4. Induction cooker.

IGBT Gate Driver (DIP8)



LTV-3120-N2 (2.5A, 15-30V)
LTV-3150 (1A, 15-30V)
LTV-3180 (2.5A, 15-30V, 200ns)
LTV-3150-L (1A, 10-30V)

- 2.5 A maximum peak output current.
- Rail to Rail output voltage.
- 500ns maximum propagation delay.
- 300ns maximum propagation delay difference.
- 25 kV/us minimum Common Mode Rejection (CMR) at VCM = 1500 V.
- High input-output isolation voltage. (Viso=5,000Vrms)
- ICC = 3.8 mA maximum supply current.
- Wide operating range: 10 to 30 Volts. (VCC)
- Guaranteed performance over temperature -40°C ~ +105°C.
- Safety approval : UL / cUL / VDE / CQC.
- IGBT/MOSFET gate drive.
- Uninterruptible power supply. (UPS)
- Industrial Inverter.
- Induction Cooker.

Schmitt trigger Output Photocoupler (DIP6)



H11L1-L H11L2-L H11L3-L

- High data rate, 2MHz typical. (NRZ)
- Free from latch up and oscillation throughout voltage and temperature ranges.
- Microprocessor compatible drive.
- Logic compatible output sinks 16mA at 0.6V maximum.
- Guaranteed on/off threshold hysteresis.
- Wide operating range.
- Guaranteed performance over temperature -40°C ~ +85°C.
- Safety approval: UL / cUL / VDE.
- Logic to logic isolator.
- Programmable current level sensor.
- Line receiver-eliminate noise and transient problems.
- A.C. to TTL conversion-square wave shaping.
- Digital programming of power supplies.
- Interfaces computers with peripherals.

High Speed Photocoupler (DIP8)



6N135 (1MBd)*
6N137 (10MBd)**
6N139 (100kBb)***

- *1Mb/s analog transistor.
- **10Mb/s digital logic.
- ***100Kb/s analog darlington.
- **3.3V / 5V Dual Supply Voltages.
- Low power consumption.
- 10kV/μs minimum Common Mode Rejection (CMR) at VCM = 1000V.
- Guaranteed AC and DC.
- High input-output isolation voltage. (Viso=5,000Vrms)
- Safety approval: UL / cUL / VDE.
- Computer-peripheral.
- Instrument input/output isolation.
- High speed isolated line receiver.
- Microprocessor system interface.
- Switching Power Supply.
- Digital isolation for A/D, D/A conversion.
- Replace Pulse transformer.

High Speed Photocoupler (SOP5)



LTV-M501 (1MBd)*
LTV-M701 (100kBb)***

- *1Mb/s analog transistor.
- **10Mb/s digital logic.
- ***100Kb/s analog darlington.
- **3.3V / 5V Dual Supply Voltages.
- Low power consumption.
- 10kV/μs minimum Common Mode Rejection (CMR) at VCM = 1000V.
- Guaranteed AC and DC.
- High input-output isolation voltage. (Viso=3,750Vrms)
- Safety approval: UL / cUL / VDE.
- Computer-peripheral.
- Instrument input/output isolation.
- High speed isolated line receiver.
- Microprocessor system interface.
- Switching Power Supply.
- Digital isolation for A/D, D/A conversion.
- Replace Pulse transformer.

High Speed Photocoupler (LSOP6)



LTV-50LP (1MBd)*
LTV-60LP (10MBd)**
LTV-70LP (15MBd CMOS)
LTV-70LW (15MBd CMOS)

- Package clearance / creepage at 8mm
- *1Mb/s analog transistor
- **10Mb/s digital logic
- **3.3V / 5V Dual Supply Voltages
- Low power consumption
- 10kV/μs minimum common mode rejection (CMR) at VCM = 1000V
- Guaranteed AC and DC
- High input-output isolation voltage. (Viso=5,000Vrms)
- Safety approval: VDE / UL&cUL
- Computer-peripheral
- Instrument input/output isolation
- High speed isolated line receiver
- Microprocessor system interface
- Switching power supply
- Digital isolation for A/D, D/A conversion
- Replace pulse transformer

High Speed Photocoupler (SOP8 1CH & 2CH)



LTV-0501 (1CH 1MBd)*
LTV-0701 (1CH 100kBb)***
LTV-053L (2CH 1MBd)*
LTV-074L (2CH 15MBd CMOS)

- *1Mb/s analog transistor.
- **10Mb/s digital logic.
- ***100Kb/s analog darlington.
- **3.3V / 5V Dual Supply Voltages.
- Low power consumption.
- 10kV/μs minimum Common Mode Rejection (CMR) at VCM = 1000V.
- Guaranteed AC and DC.
- High input-output isolation voltage. (Viso=3,750Vrms)
- Safety approval: UL / cUL / VDE.
- Computer-peripheral.
- Instrument input/output isolation.
- High speed isolated line receiver.
- Microprocessor system interface.
- Switching Power Supply.
- Digital isolation for A/D, D/A conversion.
- Replace Pulse transformer.

IPM Photocoupler (DIP8)



LTV-4506* LTV-4800** (H-H) LTV-4801** (H-L)

- * open collector.
- Vcc from -0.5V to 30V.
- Performance Specified for Common IPM Applications over Industrial Temperature range= -40°C ~ +100°C.
- Short Maximum Propagation Delays= 350ns.
- Minimized Pulse Width Distortion (PWD)=450ns.
- Very High Common Mode Rejection (CMR): 20kV/μs@VCM=1000V
- ** Totem Pole.
- Positive output type(H-H) & Inverted output type. (H-L)
- Vcc from 4.5V to 30V.
- Performance Specified for Common IPM Applications over Industrial Temperature range= -40°C ~ +100°C.
- Short Maximum Propagation Delays= 350ns.
- Minimized Pulse Width Distortion (PWD)=120ns.
- Very High Common Mode Rejection (CMR): 20kV/μs@VCM=1000V.
- Safety approval : UL / cUL / VDE.
- IPM Interface Isolation.
- Isolated IGBT/MOSFET Gate Drivers.
- AC and Brushless DC Motor Driver.
- Industrial Inverters.
- General Digital Isolation.

IPM Photocoupler (SOP5)



LTV-M456* LTV-M480** (H-H) LTV-M481** (H-L)

- * Open collector.
- Vcc from -0.5V to 30V.
- Performance Specified for Common IPM Applications over Industrial Temperature range= -40°C ~ +100°C.
- Short Maximum Propagation Delays: tPHL = 400ns, tPLH = 550ns.
- Minimized Pulse Width Distortion (PWD)=450ns.
- Very High Common Mode Rejection (CMR): 20kV/μs@VCM=1000V
- ** Totem Pole.
- Positive output type(H-H) & Inverted output type. (H-L)
- Vcc from 4.5V to 30V.
- Performance Specified for Common IPM Applications over Industrial Temperature range= -40°C ~ +100°C.
- Short Maximum Propagation Delays= 350ns.
- Minimized Pulse Width Distortion (PWD)=70ns.
- Very High Common Mode Rejection (CMR): 20kV/μs@VCM=1000V.
- Safety approval : UL / cUL / VDE.
- IPM Interface Isolation.
- Isolated IGBT/MOSFET Gate Drivers.
- AC and Brushless DC Motor Driver.
- Industrial Inverters.
- General Digital Isolation.

IPM Photocoupler (SOP6)



LTV-456W*
LTV-480W** (H-H)
LTV-481W** (H-L)

- * open collector.
- Vcc from -0.5V to 30V.
- Performance Specified for Common IPM Applications over Industrial Temperature range= -40°C ~ +100°C.
- Short Maximum Propagation Delays: tPHL = 400ns, tPLH = 550ns.
- Minimized Pulse Width Distortion (PWD)=450ns.
- Very High Common Mode Rejection (CMR): 20kV/μs@VCM=1000V
- ** Totem Pole.
- Positive output type(H-H) & Inverted output type. (H-L)
- Vcc from 4.5V to 30V.
- Performance Specified for Common IPM Applications over Industrial Temperature range= -40°C ~ +100°C.
- Short Maximum Propagation Delays= 350ns.
- Minimized Pulse Width Distortion (PWD)=120ns.
- Very High Common Mode Rejection (CMR): 20kV/μs@VCM=1000V.
- Safety approval : UL / cUL / VDE.
- IPM Interface Isolation.
- Isolated IGBT/MOSFET Gate Drivers.
- AC and Brushless DC Motor Driver.
- Industrial Inverters.
- General Digital Isolation.

IPM Photocoupler (SOP8)



LTV-0456* LTV-0480** (H-H) LTV-0481** (H-L)

- * Open collector.
- Vcc from -0.5V to 30V.
- Performance specified for common IPM applications over industrial temperature range= -40°C ~ +100°C.
- Short maximum propagation delays= 350ns.
- Minimized pulse width distortion (PWD)=120ns.
- Very high common mode rejection (CMR): 20kV/μs@VCM=1000V.
- ** totem pole.
- Positive output type(H-H) & inverted output type. (H-L)
- Vcc from 4.5V to 30V.
- Performance specified for common IPM applications over industrial temperature range= -40°C ~ +100°C.
- Short maximum propagation delays= 350ns.
- Minimized pulse width distortion (PWD)=120ns.
- Very high common mode rejection (CMR): 20kV/μs@VCM=1000V.
- Safety approval : UL / cUL / VDE.
- IPM interface isolation.
- Isolated IGBT/MOSFET gate drivers.
- AC and brushless DC motor driver.
- Industrial inverters.
- General digital isolation.