

Create Infinite
Possibilities

2017



LITEON[®] make your lives extraordinary

LITEON[®]



Creating Infinite Possibilities For a Bright Future

Lite-On is the leading global provider of optoelectronic components, with a comprehensive portfolio ranging from Visible LEDs, LED Numeric Displays, and Invisible Infrared Emitting and Detecting Components, Optical Sensors, Photocouplers and UV LEDs.

Offering one of the industry's broadest product portfolios, Lite-ON's optoelectronic based product solutions are used in a wide variety of applications covering various segments of the computer, communications, consumer, and industrial.

With a clear vision to be "Best Partner in Optoelectronic, Eco-Friendly and Intelligent Technologies", we are driven to create extraordinary value and competitive advantage for our customers through innovative technology, superior quality manufacturing capabilities and professional services.

Together, we work to enrich lives and shape the future!

For more information, please visit us online at www.liteon.com/opto

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

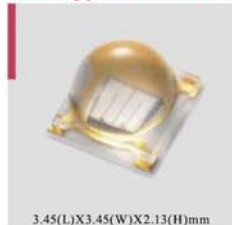


1.6(L)x1.6(W)x1.38(H)mm

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

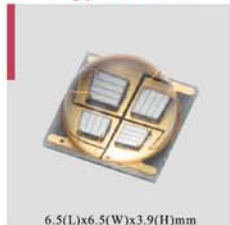


3.45(L)x3.45(W)x2.13(H)mm

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

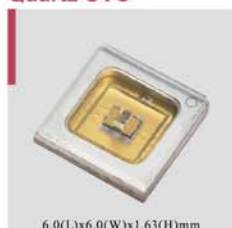


6.5(L)x6.5(W)x3.9(H)mm

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

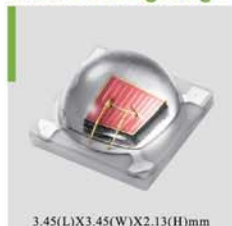


3.5(L)x2.8(W)x0.65(H)mm

LTW-2835

- Top View PLCC Package.
- Efficacy: 140lm/W for 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

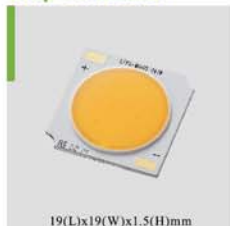


3.45(L)x3.45(W)x2.13(H)mm

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



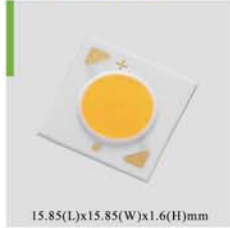
13.5(L)x13.5(W)x1.5(H)mm

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.

LIGHTING LED

Chip on Board

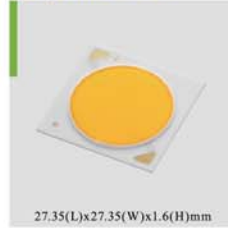


15.85(L)x15.85(W)x1.6(H)mm

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

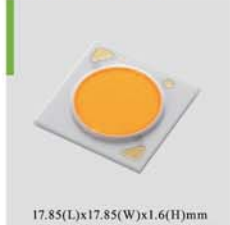


27.35(L)x27.35(W)x1.6(H)mm

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

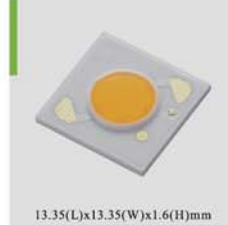


17.85(L)x17.85(W)x1.6(H)mm

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



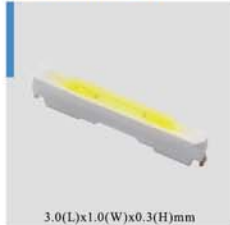
13.35(L)x13.35(W)x1.6(H)mm

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

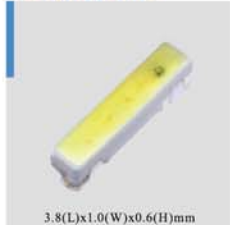


3.8(L)x1.0(W)x0.4(H)mm

LTW-010

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

HB White LED

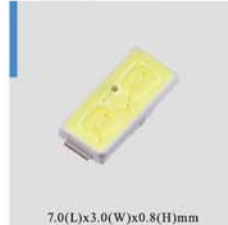


3.8(L)x1.0(W)x0.6(H)mm

LTW-206

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

HB White LED

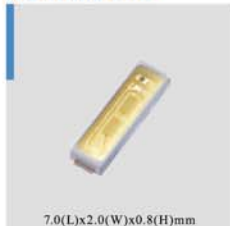


7.0(L)x3.0(W)x0.8(H)mm

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

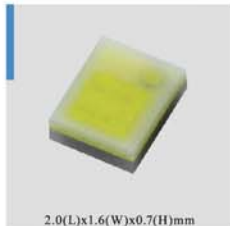


4.0(L)x4.1(W)x0.7(H)mm

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

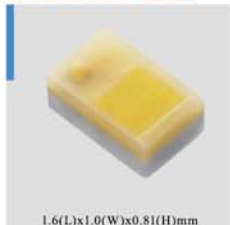


4.0(L)x4.0(W)x1.4(H)mm

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

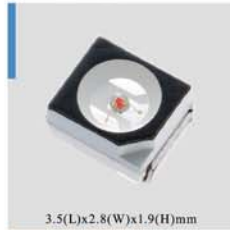


2.0(L)x1.6(W)x0.53(H)mm

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



3.5(L)x2.8(W)x1.9(H)mm

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



3.5(L)x3.5(W)x2.5(H)mm

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

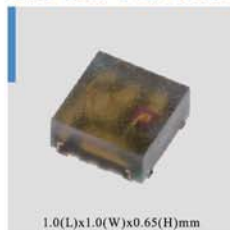


3.0(L)x3.0(W)x1.8(H)mm

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



1.0(L)x1.0(W)x0.65(H)mm

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



1.0(L)x1.0(W)x0.25(H) mm

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



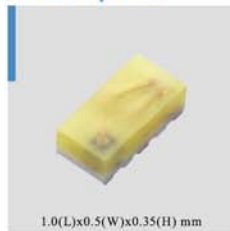
1.0(L)x0.5(W)x0.20(H)mm

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

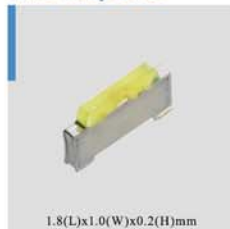


1.0(L)x0.5(W)x0.35(H) mm

LTW-C285 / LTST-C285

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

SMD Chip LED



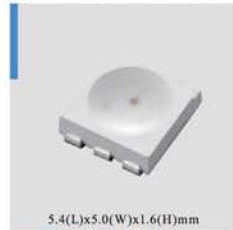
1.8(L)x1.0(W)x0.2(H)mm

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



5.4(L)x5.0(W)x1.6(H)mm

SMD PLCC Full color



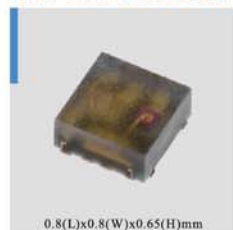
3.5(L)x2.8(W)x1.9(H)mm

SMD PLCC Full color



2.1(L)x2.1(W)x1.0(H)mm

SMD CHIP Full Color



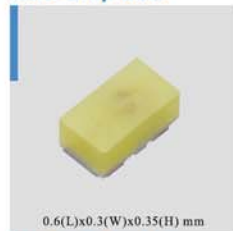
0.8(L)x0.8(W)x0.65(H)mm

SMD Chip LED



1.6(L)x0.8(W)x0.2(H)mm

SMD Chip LED



0.6(L)x0.3(W)x0.35(H) mm

SMD Chip LED



1.4(L)x0.8(W)x0.4(H)mm

SMD Chip LED



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

G563 / K563

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

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.

H213

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

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.

LTW-C198 / LTST-C198

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

LTW-C371 / LTST-C371

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

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.

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.
- Based on AEC-Q101D.
- Ultra-compact makes a high degree of expressiveness for use in high resolution, high density matrix applications.
- Wide viewing angle 130° C.
- 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.

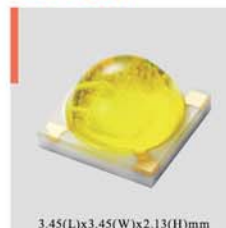
SMD Power



LTSA-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



LTSA-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



LTSA-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



LTSLA2R3

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

LAMP LED

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: 7800~27000mcd.
- 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.
- Wilder 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.
- Wilder 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 / LTL760RGBEBJ

- 5 mm 4pin RGB Lamp.
- High Brightness.
- Good Reliability.
- LTL750RGBHBJ, 4 pin pitch 1.27mm.
- LTL760RGBEBJ, 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.

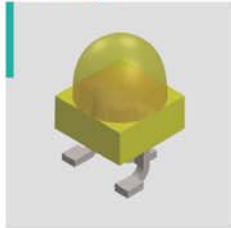
SMT CBI



LTL-M12YG1H300Q

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

SMT lamp

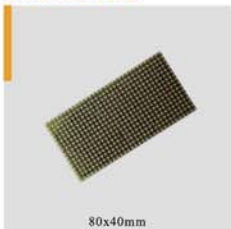


LTL942Y / LTL942E LTL942TB / LTL942TG

- 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.

80x40mm

RGB module

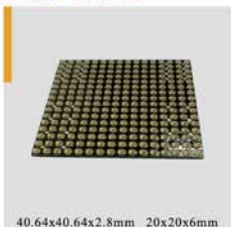


LTM-1602SF

- 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.

256x128mm

Dome matrix

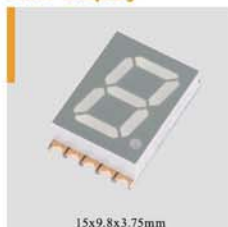


LTP-158FFKF / LTP-7588SF (RGB)

- 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.

40.64x40.64x2.8mm 20x20x6mm

SMD display



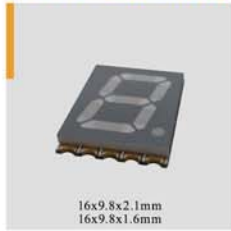
LTS-4812CKR-PM

- 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.

15x9.8x3.75mm

LED DISPLAY

Reverse SMD display



16x9.8x2.1mm
16x9.8x1.6mm

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



84x15.5x5.8mm

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



50x30x1.5mm

LTB-Dxxx

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

Sensor Touch Display



264x50x3mm
189x60x2.5mm

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



7.5x3.0x2.2mm 5.6x3.1x2.3mm

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



T-1 3/4 (5mm) T-1(3mm) side look

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
5mm PTR	LTE-7737L			
3mmPTR	LTR-323DB	LTR-7019D	LTR-3208	
	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



5.0x4.0x0.85mm 3.2x2.7x1.1mm
3.2x2.51x1.6mm 3.2x2.4x2.4mm
3.2x2.4x1.6mm 3.2x1.6x1.85mm
3.2x1.6x1.1mm 3.0x2.51x1.2mm
3.0x2.0x1.0mm 2.5x1.6x0.55mm
1.6x0.8x0.98mm 1.6x0.8x0.8mm

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
LTE-C9501	LTR-C950	LTE-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



90deg: 3.8x3.8x2.2mm
150deg: 3.8x3.8x1.5mm

850nm:

LTE-R38386-S	LTE-R38386-ZF
LTE-R38386S-S	LTE-R38386S-ZF
LTE-R38386-SE8	LTE-R38386-ZFE8

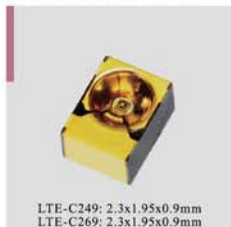
940nm:

LTE-R38381-S	LTE-R38381S-S
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- 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



LTE-C249: 2.3x1.95x0.9mm
LTE-C269: 2.3x1.95x0.9mm

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



Gesture+3in1:3.94x2.36x1.35mm

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



2.0x2.0x0.7mm

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



3.94x2.36x1.35mm

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



2.65x2.0x0.7mm

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



3in1: 3.94x2.36x1.35mm
3in1 (small window): 3.94x2.36x1.35mm

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



2.0x2.0x0.7mm

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



RGB+ 2in1: 2.65x2.0x0.7mm
RGB+ 3in1: 3.94x2.36x1.35mm

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



UV+DLS:2.0x2.0x0.7mm

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



UV+3in1:3.94x2.36x1.35mm

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



Gesture+3in1:3.94x2.36x1.35mm

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.

Digital Integrated



UV+DLS:2.0x2.0x0.7mm

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.

Analog



UV+3in1:3.94x2.36x1.35mm

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.

PHOTOCOUPLER

Mini Flat Transistor & Darlington (SOP4)



(4.4x3.85x2.1mm)pitch 2.54mm

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)
- Darlington CTR: 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)



(7.5x3.8x2.0mm)pitch 2.54mm

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)
- *DarlingtonCTR: 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)
- DarlingtonCTR: 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

- Random 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.

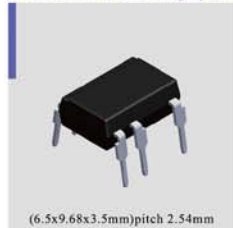
Mini Flat PhotoTriac (SO4)



MOC3023 / MOC3052 MOC3063 / MOC3083

- Random 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

- Random 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)



(6.5x7.3x3.5mm)pitch 2.54mm

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)



(6.5x9.68x3.5mm)pitch 2.54mm

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)



(4.4x3.6x2.3mm)pitch 1.27mm

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

- *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

LTV-M601 (10MBd)**

- 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)



(6.82x4.5x3.18mm)pitch 1.27mm
P series: Outer Clearance 9.7mm
W series: Outer Clearance 11.5mm

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)



(5.84x3.91x3.18mm)pitch 1.27mm

LTV-0501 (1CH 1MBd)* LTV-0701 (1CH 100kBd)*** 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.

LTV-0601 (1CH 10MBd)** LTV-071L (1CH 15MBd CMOS) LTV-063L (2CH 10MBd)**

- 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)



(6.5x9.68x3.5mm)pitch 2.54mm

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)=70ns.
- 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)



(4.4x3.6x2.3mm)pitch 1.27mm

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= 350ns.
- Minimized Pulse Width Distortion (PWD)=70ns.
- 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.
- IPM Interface Isolation.
- Isolated IGBT/MOSFET Gate Drivers.
- AC and Brushless DC Motor Driver.
- Industrial Inverters.
- General Digital Isolation.

IPM Photocoupler (SOP8)



(5.84x3.91x3.18mm)pitch 1.27mm

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.
- 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)



(6.82x4.5x3.18mm)pitch 1.27mm
P series: Outer Clearance 9.7mm
W series: Outer Clearance 11.5mm

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= 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.

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