






| Cat. No. | Package | Color | Chromaticity Coordinates | Luminous Intensity Typ.@20mA (mcd) | Viewing Angle 20½ | Net Price |
|----------------------------|-----------|-------|--------------------------|------------------------------------|-------------------|---------------|
| WHITE THRU-HOLE LED | | | | | | |
| LTL33BCWK5AT | T1½ (5mm) | White | x=0.30 y=0.33 | 4800 | 20 | \$1.44 |
| LTL42CW65AT | T1 (3mm) | White | x=0.30 y=0.32 | 2600 | 25 | 1.44 |


| Cat. No. | Package Size | Color | Dominant Wavelength λd (nm) | Luminous Intensity Typ.@20mA (mcd) | Viewing Angle 20½ | Net Price |
|--|---|--------------|-----------------------------|------------------------------------|-------------------|---------------|
| AS/TS AlInGaP AND InGaN THRU-HOLE LED | | | | | | |
| LTL2P3SEK |  | Red | 630 | 4800 | 22 | \$0.50 |
| LTL2P3SYK | | Amber-Yellow | 592 | 3700 | 22 | .34 |
| LTL2R3VRKNT | | Red | 631 | 990 | 30 | .24 |
| LTL2R3VEKNT | | Orange-Red | 624 | 1200 | 30 | .24 |
| LTL2R3VAKNT | | Orange | 615 | 1300 | 30 | .24 |
| LTL2R3VFKNT | | Amber | 605 | 1300 | 30 | .24 |
| LTL2R3VYKNT | | Amber-Yellow | 592 | 1300 | 30 | .24 |
| LTL2R3VSKNT | | Yellow | 587 | 1200 | 30 | .24 |
| LTL2R3KRK | | Red | 631 | 500 | 30 | .23 |
| LTL2R3KEK | | Orange-Red | 624 | 700 | 30 | .11 |
| LTL2R3KAK | | Orange | 615 | 700 | 30 | .11 |
| LTL2R3KFK | | Amber | 605 | 700 | 30 | .11 |
| LTL2R3KYK | | Amber-Yellow | 592 | 700 | 30 | .11 |
| LTL2R3KSK | | Yellow | 587 | 700 | 30 | .11 |
| LTL1CHCBK5 |  | Blue | 470 | 880 | 30 | 1.63 |
| LTL2T3TBK4 | | Blue | 470 | 680 | 30 | .51 |
| LTL2T3TGK6 | | Green | 530 | 2500 | 30 | .68 |
| LTL1CHKGKNN | | Green | 571 | 300 | 45 | 1.20 |
| LTL1CHKRKNN | | Red | 631 | 250 | 45 | 1.30 |
| LTL1CHKSKNN | | Yellow | 587 | 320 | 45 | .11 |
| LTL1CHTBK5 | | Blue | 470 | 880 | 30 | .70 |
| LTL1CHTBK4 | | Blue | 470 | 680 | 30 | .56 |

| Cat. No. | Package | Color | Dominant Wavelength λd (nm) | Total Flux (lm) | | Viewing Angle 20½ | Net Price |
|---|---|--------------|-----------------------------|-----------------|------------|-------------------|---------------|
| | | | | Type.@70mA | Type.@50mA | | |
| AS/TS AlInGaP AND InGaN SUPER FLUX LED | | | | | | | |
| LTL911SEKSA |  | Orange-Red | 628 | 3750 | | 90 | \$0.38 |
| LTL911SHKSA | | Red-Orange | 620 | 3750 | | | .38 |
| LTL911SYKSA | | Amber/Yellow | 594 | 2090 | | | .38 |
| LTL911CBKS5 | | Blue | 470 | | 550 | 75 | 1.55 |
| LTL912SEKSA | | Orange-Red | 628 | 3750 | | 60 | .38 |
| LTL912SHKSA | | Red-Orange | 620 | 3750 | | | .38 |
| LTL912SYKSA | | Amber-Yellow | 594 | 2090 | | | .38 |
| LTL914SYKS | | Orange-Red | 628 | 3750 | | 30 | .42 |
| LTL914SHKS | | Red-Orange | 620 | 3750 | | | .42 |
| LTL914SYKS | | Amber-Yellow | 594 | 2090 | | | .42 |


| Cat. No. | Package Size | Color | Dominant Wavelength λd (nm) | Luminous Intensity Typ.@20mA (mcd) | Viewing Angle 20½ | Net Price |
|----------------------------------|---|-------|-----------------------------|------------------------------------|-------------------|---------------|
| FULL COLOUR (RGB) SMD LED | | | | | | |
| LSTST-C19FD1WT |  | Red | 605 | 60 | 130° | \$2.08 |
| | | Green | 525 | 120 | 130° | |
| | | Blue | 470 | 30 | 130° | |
| LSTST-C17FB1WT |  | Red | 615 | 60 | 130° | 2.08 |
| | | Green | 525 | 120 | 130° | |
| | | Blue | 470 | 30 | 130° | |

INFRAREDS LED, PHOTODETECTORS AND DISPLAYS

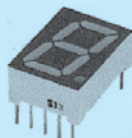
INFRARED EMITTING DIODES

| Cat. No. | Dominant Wavelength λd (nm) | Lens color | Aperture Radiant Incidence (Ee Typ.@IF=20mA) mW/cm² | Viewing Angle (Degree) | Net Price |
|---|-----------------------------|-------------|---|------------------------|---------------|
|  | 880 | Water Clear | 1.4 | 20 | \$0.46 |
| | 850 | Water Clear | 8.0@IF=50mA | 30 | .40 |
| | 940 | Water Clear | 0.7 | 20 | .21 |
| | 940 | Water Clear | 0.2 | 30 | .20 |

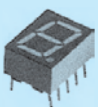

PHOTOTRANSISTORS

| Cat. No. | | Light Current Typ. @Ee=1 mW/cm ² | Dark Current Max. @V _{CE} =10V | V _{CE} (SAT) Max. @I _C =100uA | V _{CE} MIN. @I _C =1mA | Net Price |
|----------|---|---|---|---|---|-------------|
| LTR-3208 |  | 8mA | 100nA | 0.4V | 30V | \$21 |
| LTR-4206 | | 4mA | 100nA | .04V | 30V | .12 |
| LTR-306 | | 2mA | 100nA | .04V | 30V | .15 |

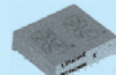
BLUE DISPLAYS

| Cat. No. | | Dominant Wavelength λd (nm) | Color | Character Height/Size | Typ. I _v /Seg I _F =10mA (ucd) | Net Price |
|------------|---|-----------------------------|-------|-----------------------------|---|---------------|
| LTS-2301AB |  | 466 | Blue | 0.28" .39"H x .29"W x .24"D | 3000 | \$4.30 |
| LTS-2801AB | | 466 | Blue | | 3000 | 4.30 |
| LTS-4301AB | | 466 | Blue | 0.4" .5"H x .38"W x .28"D | 3600 | 5.27 |
| LTS-4801AB | | 466 | Blue | | 3600 | 5.27 |
| LTS-5501AB | | 466 | Blue | 0.56" .67"H x .49"W x .32"D | 4300 | 4.34 |
| LTS-5503AB | | 466 | Blue | | 4300 | 4.34 |



HIGH BRIGHTNESS—AllInGaP DISPLAYS

| Cat. No. | | Dominant Wavelength λd (nm) | Color | Character Height/Size | Typ. I _v /Seg I _F =1mA (ucd) | Net Price |
|-------------|---|-----------------------------|--------|-----------------------------|--|--------------|
| LTS-4301JD |  | 639 | Red | 0.4" .58"H x .38"W x .27"D | 650 | \$.86 |
| LTS-4301JG | | 572 | Green | | 850 | .86 |
| LTS-4301JS | | 587 | Yellow | | 850 | .86 |
| LTS-4301JR | | 631 | Red | | 650 | .86 |
| LTD-5321AJD |  | 639 | Red | 0.56" .67"H x .98"W x .32"D | 700 | 2.67 |
| LTD-5721AJS | | 587 | Yellow | | 900 | 2.67 |


ALPHA NUMERIC DISPLAYS

| Cat. No. | | Dominant Wavelength λd (nm) | Color | Character Height/Size | Typ. I _v /Seg (ucd) | Net Price |
|---------------|---|-----------------------------|-------|---------------------------|--------------------------------|---------------|
| LTP-3784JD-01 |  | 639 | Red | 0.54" .84"H x 1"W x .32"D | 500@1mA | \$3.98 |
| LTP-3784P-01 | | 657 | Red | | 650@10mA | 3.40 |

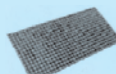
DOT MATRIX DISPLAYS

| Cat. No. | | Dominant Wavelength λd (nm) | Color | Size | Typ. I _v /Dot@I _P =80mA 1/16 Duty (ucd) | Net Price |
|-------------|---|-----------------------------|--------|-----------------------|---|---------------|
| LTP-1457AG |  | 569 | Green | 1.25"H x .9"W x .31"D | 4000 | \$3.86 |
| LTP-1457AY | | 588 | Yellow | | 4000 | 3.86 |
| LTP-1457AKR | | 631 | Red | | 3800@I _P =32mA, 1/16 Duty | 4.01 |
| LTP-2057AG |  | 569 | Green | 2.1"H x 1.5"W x .34"D | 4800 | 3.86 |
| LTP-2057AY | | 588 | Yellow | | 4800 | 3.86 |
| LTP-2057AKR | | 631 | Red | | 3500@I _P =32mA, 1/16 Duty | 4.38 |

DISPLAYS WITH DRIVER IC

| Cat. No. | | Dominant Wavelength λd (nm) | Color | Characer Height/Size | Typ. I _v /Dot@I _P =80mA 1/16 Duty (ucd) | Net Price |
|------------|---|-----------------------------|-------|-----------------------------|---|---------------|
| LTM-8522P |  | 638 | Red | 0.56" .75"H x 1.5"W x .32"D | 950 | \$9.15 |
| LTM-8522G | | 569 | Green | | 2400 | 10.44 |
| LTM-8522HR | | 623 | Red | | 2400 | 10.44 |

16 x 32 SMD DOT MATRIX DISPLAY W/IC

| Cat. No. | | Dominant Wavelength λd (nm) | Color | Board Size | Typ. I _v /Dot@I _P =40mA 1/16 Duty (mcd) | Net Price |
|--------------|---|-----------------------------|-------|-----------------|---|-----------------|
| LTM-0124M-01 |  | 639 | Red | 1.57"H x 3.14"W | 10 | \$133.53 |