






















HIGH BRIGHTNESS THRU-HOLE AND SURFACE MOUNT LED'S



Cat. No.	Package	Color	Chromaticity Coordinates	Luminous Intensity Typ.@5mA (mcd)	Viewing Angle 20½	Net Price
WHITE SMD LED						
LTW-191TS5	 0603 1.6(L) X 0.8(W) X 0.55(H)mm	White	x=0.294 y=0.286	78	130	\$1.56
LTW-193TS5		White	x=0.294 y=0.286	78	130	1.04


Cat. No.	Package	Color	Dominant Wavelength λd (nm)	Luminous Intensity Iv Typ.@20mA (mcd)	Viewing Angle 20½	Net Price
AllnGaP SMD LED						
LTST-C150KRKT	 1206 3.2(L) X 1.6(W) X 1.1(H)mm	Red	631	55	130°	\$1.10
LTST-C150KFKT		Orange	605	60	130°	.10
LTST-C150KSKT		Yellow	587	60	130°	.10
LTST-C150KGKT	 0805 2.0(L) X 1.25(W) X 1.1(H)mm	Green	571	35	130°	.10
LTST-C170KRKT		Red	631	55	130°	.11
LTST-C170KFKT		Orange	605	60	130°	.11
LTST-C170KSKT	 0805 Super Thin 2.0(L) X 1.25(W) X 0.8(H)mm	Yellow	587	60	130°	.11
LTST-C170KGKT		Green	571	35	130°	.11
LTST-C170KRKT		Red	631	55	130°	.11
LTST-C171KFKT	 0805 Super Thin 2.0(L) X 1.25(W) X 0.8(H)mm	Orange	605	60	130°	.10
LTST-C171KSKT		Yellow	587	60	130°	.10
LTST-C171KGKT		Green	571	35	130°	.10
LTST-C190KRKT	 0603 1.6(L) X 0.8(W) X 0.8(H)mm	Red	631	55	130°	.09
LTST-C190KFKT		Orange	605	60	130°	.09
LTST-C190KSKT		Yellow	587	60	130°	.09
LTST-C190KGKT	 0603 Super Thin 1.6(L) X 0.8(W) X 0.55(H)mm	Green	571	35	130°	.09
LTST-C191KRKT		Red	631	55	130°	.10
LTST-C191KFKT		Orange	605	60	130°	.10
LTST-C191KSKT	 0603 Super Thin 1.6(L) X 0.8(W) X 0.55(H)mm	Yellow	587	60	130°	.10
LTST-C191KGKT		Green	571	35	25°	.10
LTST-C930KRKT		Red	631	850	25°	.13
LTST-C930KFKT	 1209 Dome Lens 3.2(L) X 2.4(W) X 2.4(H) mm	Orange	605	1200	25°	.13
LTST-C930KSKT		Yellow	587	800	25°	.13
LTST-C930KGKT		Green	571	650	25°	.13
LTST-T670KRKT	 PLCC 3.5(L) X 2.7(W) X 1.85(H)mm	Red	631	100	120°	.12
LTST-T670KFKT		Orange	587	100	120°	.12
LTST-T670KSKT		Yellow	605	100	120°	.12
LTST-T670KGKT		Green	571	60	120°	.12



Cat. No.	Package	Color	Dominant Wavelength λd (nm)	Luminous Intensity Iv Typ.@20mA (mcd)	Viewing Angle 20½	Net Price
InGaN BLUE AND GREEN SMD LED						
LTST-C150TBKT	 1206 3.2(L) X 1.6(W) X 1.1(H)mm	Blue	470	30	130°	.52
LTST-C150TGKT		Green	525	150	130°	.83
LTST-C170TBKT	 0805 2.0(L) X 1.25(W) X 1.1(H)mm	Blue	470	30	130°	.52
LTST-C170TGKT		Green	525	150	130°	.99
LTST-C171TBKT	 0805 Super Thin 2.0(L) X 1.25(W) X 0.8(H)mm	Blue	470	30	130°	.52
LTST-C190TBKT	 0603 1.6(L) X 0.8(W) X 0.8(H)mm	Blue	470	30	130°	.52
LTST-C190TGKT		Green	525	150	130°	.83
LTST-C191TBKT	 0603 Super Thin 1.6(L) X 0.8(W) X 0.55(H)mm	Blue	470	30	130°	.52
LTST-C191TGKT		Green	525	150	130°	.83
LTST-C930TBKT	 1209 Dome Lens 3.2(L) X 2.4(W) X 2.4(H)mm	Blue	470	450	25°	.52
LTST-C930TGKT		Green	525	1400	25°	.83

Cat. No.	Package	Color	Dominant Wavelength λd (nm)	Luminous Intensity Iv Typ.@20mA (mcd)	Viewing Angle 20½	Net Price
AllnGaP Bi-COLOR SMD LED						
LTST-C155KGJRKT	 1210 Bi-Color 3.2(L) X 2.7(W) X 1.1(H)mm	Green	571	35	130°	.17
LTST-C155KGJSKT		Red	631	25	130°	.17
		Green	571	35	130°	.17
LTST-C195KGJRKT	 0605 Bi-Color Super Thin 1.6(L) X 1.5(W) X 0.55(H)mm	Yellow	571	35	130°	.17
LTST-C195KGJSKT		Green	571	35	130°	.17
		Red	631	25	130°	.17
LTST-C195KGJSKT	 0605 Bi-Color Super Thin 1.6(L) X 1.5(W) X 0.55(H)mm	Green	571	35	130°	.17
LTST-C195KGJSKT		Yellow	589	30	130°	.17

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	T1 3/4 (5mm) 	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	T1 (3mm) 	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	\$3.38
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						
LST-C19FD1WT		Red	605	60	130°	\$2.08
		Green	525	120	130°	
		Blue	470	30	130°	
LST-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



THROUGH-HOLE LEDs

Cat. No.	Emitted Colour	Lens Colour	Shape mm	Viewing Angle	Peak Wavelength λ_p (nm)	Forward Voltage V_F			Luminous Intensity I_v (mcd)		Net Price			
						Typ.	Max.	I_F	Min.	Typ.		I_F		
ROUND SHAPE TYPE LED														
BR5304S	Red	Clear	$\phi 5$	12°	660	1.7	2.0	20	40	80	20	\$.12		
PR5304S	Red			20°	700	2.1	2.5	10	6	12	10	\$.09		
VR5304S	Orange-Red			630	2.0	2.5	20	30	60	20	\$.14			
AA5304S	Orange			605	2.2	2.5	20	30	60	20	\$.11			
AY5304S	Yellow			580	2.2	2.5	20	30	60	20	\$.11			
PY5304S	Yellow-Green			570	2.1	2.5	20	40	80	20	\$.10			
PG5304S	Green			560	2.1	2.5	20	30	60	20	\$.11			
BG5304S	Pure-Green			555	2.1	2.5	20	25	50	20	\$.13			
BR5334S	Red			Diffused Red	$\phi 5$	30°	660	1.7	2.0	20	10	20	20	\$.12
PR5334S	Red						700	2.1	2.5	10	3	6	10	\$.09
VR5334S	Orange-Red	Diffused Orange	$\phi 5$	29°	630	2.0	2.5	20	8	16	20	\$.13		
AA5334S	Orange				605	2.2	2.5	20	8	16	20	\$.11		
AY5334S	Yellow				580	2.2	2.5	20	8	16	20	\$.12		
PG5334S	Green				560	2.1	2.5	20	12	24	20	\$.11		
BG5334S	Pure-Green				555	2.1	2.5	20	5	10	20	\$.12		
BR5364X	Red				Pastel Red-Clear	$\phi 5$	40°	660	1.7	2.0	20	60	120	20
MPR5364X	Red	25°	700	2.1			2.8	10	5	10	10	\$.10		
MVR5364X	Orange-Red	Pastel Orange-Clear	$\phi 5$	28°	630	2.0	2.8	20	50	100	20	\$.11		
MAA5364X	Orange				605	2.2	2.8	20	50	100	20	\$.11		
MAY5364X	Yellow				580	2.2	2.8	20	40	80	20	\$.11		
MPY5364X	Yellow-Green				570	2.1	2.8	20	60	120	20	\$.10		
MPG5364X	Green				560	2.1	2.8	20	50	100	20	\$.10		
MBG5364X	Pure-Green				555	2.1	2.8	20	20	40	20	\$.12		
BR5363X	Red	Pastel Red-Clear	$\phi 5$	60°	660	1.7	2.1	20	15	30	20	\$.12		
MPR5363X	Red			50°	700	2.1	2.8	10	2	4	10	\$.12		
MVR5363X	Orange-Red	Pastel Orange-Clear	$\phi 5$	50°	630	2.0	2.8	20	10	20	20	\$.11		
MAA5363X	Orange				605	2.2	2.8	20	10	20	20	\$.11		
MAY5363X	Yellow				580	2.2	2.8	20	10	20	20	\$.11		
MPY5363X	Yellow-Green				570	2.1	2.8	20	15	30	20	\$.11		
MPG5363X	Green				560	2.1	2.8	20	10	20	20	\$.10		
MBG5363X	Pure-Green				555	2.1	2.8	20	5	10	20	\$.11		
BR3368S	Red	Pastel Red-Clear	$\phi 3$	15°	660	1.7	2.1	20	40	80	20	\$.11		
MPR3368S	Red			20°	700	2.1	2.8	10	3	6	10	\$.09		
MVR3368S	Orange-Red	Pastel Yellow-Clear	$\phi 3$	20°	630	2.0	2.8	20	20	40	20	\$.11		
MAY3368S	Yellow				580	2.1	2.8	20	20	40	20	\$.10		
MPY3368S	Yellow-Green				570	2.1	2.8	20	30	60	20	\$.09		
MPG3368S	Green				560	2.1	2.8	20	20	40	20	\$.09		
MBG3368S	Pure-Green				555	2.1	2.8	20	10	20	20	\$.10		
BR3378S	Red				Pastel Red Diffused	$\phi 3$	20°	660	1.7	2.0	20	15	30	20
MPR3378S	Red	25°	700	2.1			2.8	10	1.5	3	10	\$.09		
MVR3378S	Orange-Red	Pastel Orange-Diffused	$\phi 3$	25°	630	2.0	2.8	20	10	20	20	\$.11		
MAA3378S	Orange				605	2.2	2.8	20	10	20	20	\$.10		
MAY3378S	Yellow				580	2.2	2.8	20	10	20	20	\$.11		
MPY3378S	Yellow-Green				570	2.1	2.8	20	15	30	20	\$.10		
MPG3378S	Green				560	2.1	2.8	20	10	20	20	\$.09		
MBG3378S	Pure-Green				555	2.1	2.8	20	5	10	20	\$.10		
BR3338S	Red	Red-Diffused	$\phi 3$	25°	660	1.7	2.0	20	15	30	20	\$.12		
MPR3338S	Red			30°	700	2.1	2.8	10	1.5	3	20	\$.09		
MVR3338S	Orange-Red	Orange-Diffused	$\phi 3$	30°	630	2.0	2.8	20	10	20	20	\$.10		
MAA3338S	Orange				605	2.2	2.8	20	10	20	20	\$.10		
MAY3338S	Yellow				580	2.2	2.8	20	10	20	20	\$.10		
MPY3338S	Yellow-Green				570	2.1	2.8	20	15	30	20	\$.10		
MPG3338S	Green				560	2.1	2.8	20	10	20	20	\$.09		
MBG3338S	Pure-Green				555	2.1	2.8	20	4	8	20	\$.10		

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THROUGH-HOLE LEDs

Cat. No.	Emitted Colour	Lens Colour	Shape mm	Viewing Angle	Peak Wavelength λ_p (nm)	Forward Voltage V_f			Luminous Intensity I_v (mcd)			Net Price
						Typ.	Max.	I_f	Min.	Typ.	I_f	
BR3362X	Red	Pastel Red-Clear	$\phi 3$	75°	660	1.7	2.0	20	15	30	20	\$.12
MPR3362X	Red			60°	700	2.1	2.8	10	1.5	3	10	\$.09
MVR3362X	Orange-Red	Pastel Orange-Clear	$\phi 3$	54°	630	2.0	2.8	20	10	20	20	\$.11
MAA3362X	Orange				605	2.2	2.8	20	12	24	20	\$.11
MAY3362X	Yellow	Pastel Yellow-Clear	$\phi 3$	54°	580	2.2	2.8	20	10	20	20	\$.10
MPY3362X	Yellow-Green	Pastel Green-Clear			570	2.1	2.8	20	20	40	20	\$.10
MPG3362X	Green	Pastel Green-Clear	$\phi 3$	54°	560	2.1	2.8	20	12	24	20	\$.09
MBG3362X	Pure-Green				555	2.1	2.8	20	5	10	20	\$.10
BR3361X	Red	Pastel Red-Clear	$\phi 3$	100°	660	1.7	2.0	20	6	12	20	\$.12
MPR3361X	Red			90°	700	2.1	2.8	10	0.8	1.6	10	\$.09
MAY3361X	Yellow	Pastel Yellow-Clear	$\phi 3$	90°	580	2.2	2.8	20	5	10	20	\$.10
MPY3361X	Yellow-Green	Pastel Green-Clear			570	2.1	2.8	20	10	20	20	\$.09
MPG3361X	Green	Pastel Green-Clear	$\phi 3$	90°	560	2.1	2.8	20	6	12	20	\$.09
MBG3361X	Pure-Green				555	2.1	2.8	20	3	6	20	\$.11

FLUSH MOUNT LED

BR3863X	Red	Pastel Red-Clear	$\phi 3$	15°	660	1.7	2.0	20	40	80	20	\$.12
MPR3863X	Red			20°	700	2.1	2.8	10	3	6	20	\$.09
MVR3863X	Orange-Red	Pastel Orange-Clear	$\phi 3$	20°	630	2.0	2.8	20	20	40	20	\$.11
MPY3863X	Yellow-Green				570	2.1	2.8	20	30	60	20	\$.09
MPG3863X	Green	Pastel Green-Clear	$\phi 3$	20°	560	2.1	2.8	20	20	40	20	\$.10
MPG3863X	Pure-Green				555	2.1	2.8	20	10	20	20	\$.10
BR3864X	Red	Pastel Red-Clear	$\phi 3$	80°	660	1.7	2.0	20	15	30	20	\$.12
MPR3864X	Red			60°	700	2.1	2.8	10	1.5	3	10	\$.11
MVR3864X	Orange-Red	Pastel Orange-Clear	$\phi 3$	60°	630	2.0	2.8	20	10	20	20	\$.13
MAA3864X	Orange				605	2.2	2.8	20	12	24	20	\$.11
MAY3864X	Yellow	Pastel Yellow-Clear	$\phi 3$	60°	580	2.2	2.8	20	10	20	20	\$.11
MPY3864X	Yellow-Green	Pastel Green-Clear			570	2.1	2.8	20	20	40	20	\$.09
MPG3864X	Green	Pastel Green-Clear	$\phi 3$	60°	560	2.1	2.8	20	12	24	20	\$.12
MPG3864X	Pure-Green				555	2.1	2.8	20	5	10	20	\$.12

HIGH-SUPER BRIGHT LED (KR SERIES)

KR5004X	Red	Water Clear	$\phi 5$	20°	660	1.8	2.5	20	400	800	20	\$.36
KR5005X	Red			25°					200	300	20	\$.36
KR3301X	Red			50°					70	140	20	\$.37

HIGH-SUPER BRIGHT LED (AllInGaP)

FR5366X	Red	Pastel Red-Clear	$\phi 5$	10°	635	1.9	2.4	20	900	1800	20	\$.35	
FA5366X	Orange								Pastel Orange-Clear	1250	2500	20	\$.34
FY5366X	Yellow								Pastel Yellow-Clear	1000	2000	20	\$.35
FR5364X	Red	Pastel Red-Clear	$\phi 5$	35°	635	1.9	2.4	20	290	580	20	\$.36	
FA5364X	Orange								Pastel Orange-Clear	390	780	20	\$.34
FY5364X	Yellow								Pastel Yellow-Clear	320	640	20	\$.35
FR5365S	Red	Pastel Red-Clear	$\phi 5$	45°	635	1.9	2.4	20	220	440	20	\$.35	
FA5365S	Orange								Pastel Orange-Clear	290	580	20	\$.34
FY5365S	Yellow								Pastel Yellow-Clear	250	500	20	\$.35
FR3863X	Red	Pastel Red-Clear	$\phi 3$	20°	635	1.9	2.4	20	320	640	20	\$.36	
FA3863X	Orange								Pastel Orange-Clear	400	800	20	\$.34
FY3863X	Yellow								Pastel Yellow-Clear	360	720	20	\$.35
FR3864X	Red	Pastel Red-Clear	$\phi 3$	70°	635	1.9	2.4	20	110	220	20	\$.36	
FR3864X	Orange								Pastel Orange-Clear	140	280	20	\$.36
FY3864X	Red								Pastel Yellow-Clear	125	250	20	\$.36

HIGH-SUPER BRIGHT LED (InGaN)

DG5306X	Green	Water Clear	$\phi 5$	10°	522	3.5	4.0	20	1200	2400	20	2.02
DC5306X	Blue-Green								1200	2400	20	1.96
DB5306X	Blue								500	1000	20	1.90
DG5304X	Green	Water Clear	$\phi 5$	25°	522	3.5	4.0	20	500	1000	20	2.02
DC5304X	Blue-Green								500	1000	20	1.95
DB5304X	Blue								150	300	20	1.93
DG5305S	Green	Water Clear	$\phi 5$	30°	522	3.5	4.0	20	400	800	20	2.02
DC5305S	Blue-Green								400	800	20	1.95
DB5305S	Blue								120	240	20	1.90
DG3803X	Green	Water Clear	$\phi 3$	20°	522	3.5	4.0	20	600	1200	20	2.05
DC3803X	Green-Blue								600	1200	20	2.05
DB3803X	Blue								250	500	20	1.89
DG3804X	Green	Water Clear	$\phi 3$	50°	522	3.5	4.0	20	240	480	20	2.01
DC3804X	Green-Blue								240	480	20	2.01
DB3804X	Blue								60	120	20	1.89