

SPECIFICATIONS (T <sub>o</sub> =25°C)										UNITS		
G Y Y R R										OUTPUT COLOR		
N N N N										DIFFUSED/NON-DIFFUSED		
C C C C										PACKAGE COLOR		
20 20 20 20										RATED CURRENT		mA
2.1 2.2 2.1 1.7										FORWARD VOLTAGE TYP		V
2.5 2.5 2.5 2.0										FORWARD VOLTAGE MAX		V
100 100 100 100										REVERSE CURRENT MAX		µA
4 4 4 4										REVERSE VOLTAGE MAX (I <sub>R</sub> =100µA)		V
6.0 3.0 12.0 12.0										LUMINOUS INTENSITY MIN		mc d
12.0 6.0 24.0 33.6										LUMINOUS INTENSITY TYP		mc d
560 580 570 660										WAVELENGTH PEAK TYP		nm
567 572 647										DOMINANT WAVELENGTH		nm
75 75 75 60										POWER DISSIPATION MAX		mW
30 30 30 30										FORWARD CURRENT MAX		mA
70 70 70 70										PEAK FORWARD CURRENT MAX(NOTE 2)		mA
30 30 30 30										SPECTRAL LINE HALF WIDTH TYP		nm
70 70 70 70										VIEWING ANGLE		DEG
-30 + 85										OPERATING TEMPERATURE		°C
-40 + 100										STORAGE TEMPERATURE		°C
3.0 6.0 4.2 8.4										RANK A LUMINOUS INTENSITY		mc d
6.0 12.0 8.5 17.0										RANK B LUMINOUS INTENSITY		mc d
12.0 24.0 16.8 33.6										RANK C LUMINOUS INTENSITY		mc d
24.0 48.0 17.0 34.0										RANK D LUMINOUS INTENSITY		mc d
48.0 96.0 33.6 67.2										RANK E LUMINOUS INTENSITY		mc d
96.0 192.0 67.2 134.4										RANK F LUMINOUS INTENSITY		mc d
192.0 384.0 134.4 268.8										RANK G LUMINOUS INTENSITY		mc d
384.0 768.0 268.8 537.6										RANK H LUMINOUS INTENSITY		mc d
768.0 1536.0 537.6 1075.2										RANK I LUMINOUS INTENSITY		mc d
1536.0 3072.0 1075.2 2150.4										RANK J LUMINOUS INTENSITY		mc d
3072.0 6144.0 2150.4 4300.8										RANK K LUMINOUS INTENSITY		mc d
6144.0 12288.0 4300.8 8601.6										RANK L LUMINOUS INTENSITY		mc d
12288.0 24576.0 8601.6 17203.2										RANK M LUMINOUS INTENSITY		mc d
24576.0 49152.0 17203.2 34406.4										RANK N LUMINOUS INTENSITY		mc d
49152.0 98304.0 34406.4 68812.8										RANK O LUMINOUS INTENSITY		mc d
98304.0 196608.0 68812.8 137625.6										RANK P LUMINOUS INTENSITY		mc d
196608.0 393216.0 137625.6 275251.2										RANK Q LUMINOUS INTENSITY		mc d
393216.0 786432.0 275251.2 550502.4										RANK R LUMINOUS INTENSITY		mc d
786432.0 1572864.0 550502.4 1101004.8										RANK S LUMINOUS INTENSITY		mc d
1572864.0 3145728.0 1101004.8 2202009.6										RANK T LUMINOUS INTENSITY		mc d
3145728.0 6291456.0 2202009.6 4404019.2										RANK U LUMINOUS INTENSITY		mc d
6291456.0 12582912.0 4404019.2 8808038.4										RANK V LUMINOUS INTENSITY		mc d
12582912.0 25165824.0 8808038.4 17616076.8										RANK W LUMINOUS INTENSITY		mc d
25165824.0 50331648.0 17616076.8 35232153.6										RANK X LUMINOUS INTENSITY		mc d
50331648.0 100663296.0 35232153.6 70464307.2										RANK Y LUMINOUS INTENSITY		mc d
100663296.0 201326592.0 70464307.2 140928614.4										RANK Z LUMINOUS INTENSITY		mc d
201326592.0 402653184.0 140928614.4 281857228.8										RANK AA LUMINOUS INTENSITY		mc d
402653184.0 805306368.0 281857228.8 563714457.6										RANK AB LUMINOUS INTENSITY		mc d
805306368.0 1610612736.0 563714457.6 1127428915.2										RANK AC LUMINOUS INTENSITY		mc d
1610612736.0 3221225472.0 1127428915.2 2254857830.4										RANK AD LUMINOUS INTENSITY		mc d
3221225472.0 6442450944.0 2254857830.4 4509715660.8										RANK AE LUMINOUS INTENSITY		mc d
6442450944.0 12884901888.0 4509715660.8 9019431321.6										RANK AF LUMINOUS INTENSITY		mc d
12884901888.0 25769803776.0 9019431321.6 18038862643.2										RANK AG LUMINOUS INTENSITY		mc d
25769803776.0 51539607552.0 18038862643.2 36077725286.4										RANK AH LUMINOUS INTENSITY		mc d
51539607552.0 103079215104.0 36077725286.4 72155450572.8										RANK AI LUMINOUS INTENSITY		mc d
103079215104.0 206158430208.0 72155450572.8 144310901145.6										RANK AJ LUMINOUS INTENSITY		mc d
206158430208.0 412316860416.0 144310901145.6 288621802291.2										RANK AK LUMINOUS INTENSITY		mc d
412316860416.0 824633720832.0 288621802291.2 577243604582.4										RANK AL LUMINOUS INTENSITY		mc d
824633720832.0 1649267441664.0 577243604582.4 1154487209164.8										RANK AM LUMINOUS INTENSITY		mc d
1649267441664.0 3298534883328.0 1154487209164.8 2308974418259.2										RANK AN LUMINOUS INTENSITY		mc d
3298534883328.0 6597069766656.0 2308974418259.2 4617948836518.4										RANK AO LUMINOUS INTENSITY		mc d
6597069766656.0 13194139533312.0 4617948836518.4 9235897673036.8										RANK AP LUMINOUS INTENSITY		mc d
13194139533312.0 26388279066624.0 9235897673036.8 18471795346073.6										RANK AQ LUMINOUS INTENSITY		mc d
26388279066624.0 52776558133248.0 18471795346073.6 36943590692147.2										RANK AR LUMINOUS INTENSITY		mc d
52776558133248.0 105553116266496.0 36943590692147.2 73887181384294.4										RANK AS LUMINOUS INTENSITY		mc d
105553116266496.0 211106232532992.0 73887181384294.4 147774362768588.8										RANK AT LUMINOUS INTENSITY		mc d
211106232532992.0 422212465065984.0 147774362768588.8 295548725537177.6										RANK AU LUMINOUS INTENSITY		mc d
422212465065984.0 844424930131968.0 295548725537177.6 591097451074355.2										RANK AV LUMINOUS INTENSITY		mc d
844424930131968.0 1688849860263936.0 591097451074355.2 1182194902148710.4										RANK AW LUMINOUS INTENSITY		mc d
1688849860263936.0 3377699720527872.0 1182194902148710.4 2364389844297420.8										RANK AX LUMINOUS INTENSITY		mc d
3377699720527872.0 6755399441055744.0 2364389844297420.8 4728779688594841.6										RANK AY LUMINOUS INTENSITY		mc d
6755399441055744.0 13510798882111488.0 4728779688594841.6 9457559377183683.2										RANK AZ LUMINOUS INTENSITY		mc d
13510798882111488.0 27021597764222976.0 9457559377183683.2 18915118754367366.4										RANK BA LUMINOUS INTENSITY		mc d
27021597764222976.0 54043195528445952.0 18915118754367366.4 37830237508734732.8										RANK BB LUMINOUS INTENSITY		mc d
54043195528445952.0 108086391056891904.0 37830237508734732.8 75660475017469465.6										RANK BC LUMINOUS INTENSITY		mc d
108086391056891904.0 216172782113783808.0 75660475017469465.6 151320950034938931.2										RANK BD LUMINOUS INTENSITY		mc d
216172782113783808.0 432345564227567616.0 151320950034938931.2 302641900069877862.4										RANK BE LUMINOUS INTENSITY		mc d
432345564227567616.0 864691128455135232.0 302641900069877862.4 605283800139755724.8										RANK BF LUMINOUS INTENSITY		mc d
864691128455135232.0 1729382256910270464.0 605283800139755724.8 1210567600279511449.6										RANK BG LUMINOUS INTENSITY		mc d
1729382256910270464.0 3458764513820540928.0 1210567600279511449.6 2421135200559022899.2										RANK BH LUMINOUS INTENSITY		mc d
3458764513820540928.0 6917529027641081856.0 2421135200559022899.2 4842270401118045798.4										RANK BI LUMINOUS INTENSITY		mc d
6917529027641081856.0 13835058055282163712.0 4842270401118045798.4 9684541602236091596.8										RANK BJ LUMINOUS INTENSITY		mc d
13835058055282163712.0 27670116110564327424.0 9684541602236091596.8 19369083204472183193.6										RANK BK LUMINOUS INTENSITY		mc d
27670116110564327424.0 55340232221128654848.0 19369083204472183193.6 38738166408944366387.2										RANK BL LUMINOUS INTENSITY		mc d
55340232221128654848.0 110680464442257309696.0 38738166408944366387.2 77476332817888732774.4										RANK BM LUMINOUS INTENSITY		mc d
110680464442257309696.0 221360928884514619392.0 77476332817888732774.4 154952665737777465548.8										RANK BN LUMINOUS INTENSITY		mc d
221360928884514619392.0 442721857769029238784.0 154952665737777465548.8 309905331475554931097.6										RANK BO LUMINOUS INTENSITY		mc d
442721857769029238784.0 885443715538058477568.0 309905331475554931097.6 619808673077113862195.2										RANK BP LUMINOUS INTENSITY		mc d
885443715538058477568.0 1770887431076116955136.0 619808673077113862195.2 1239617346154227904290.4										RANK BQ LUMINOUS INTENSITY		mc d
1770887431076116955136.0 3541774862152233910272.0 1239617346154227904290.4 2479234724308455808580.8										RANK BR LUMINOUS INTENSITY		mc d
3541774862152233910272.0 7083549724304467820544.0 2479234724308455808580.8 4958469448608935641161.6										RANK BS LUMINOUS INTENSITY		mc d
7083549724304467820544.0 14167099448608935641161.6 4958469448608935641161.6 9916918897217871282323.2										RANK BT LUMINOUS INTENSITY		mc d
14167099448608935641161.6 28334198897217871282323.2 9916918897217871282323.2 19833837794435742564646.4										RANK BU LUMINOUS INTENSITY		mc d
28334198897217871282323.2 56668397794435742564646.4 19833837794435742564646.4 39667675588871485129292.8										RANK BV LUMINOUS INTENSITY		mc d
56668397794435742564646.4 113336795588871485129292.8 39667675588871485129292.8 79335351177742970025585.6										RANK BW LUMINOUS INTENSITY		mc d
113336795588871485129292.8 226673591177742970025585.6 79335351177742970025585.6 158670782355485940051171.2										RANK BX LUMINOUS INTENSITY		mc d
226673591177742970025585.6 453347182355485940051171.2 158670782355485940051171.2 317341564710971880102342.4										RANK BY LUMINOUS INTENSITY		mc d
453347182355485940051171.2 906694364710971880102342.4 317341564710971880102342.4 634688729421943760204684.8										RANK BZ LUMINOUS INTENSITY		mc d
906694364710971880102342.4 1813388729421943760204684.8 634688729421943760204684.8 3666777458843887520409379.2										RANK CA LUMINOUS INTENSITY		mc d
1813388729421943760204684.8 3626777458843887520409379.2 3666777458843887520409379.2 7333554917687775040818758.4										RANK CB LUMINOUS INTENSITY		mc d
3626777458843887520409379.2 7253554917687775040818758.4 7333554917687775040818758.4 14667109835375550081637516.8										RANK CC LUMINOUS INTENSITY		mc d
7253554917687775040818758.4 14507109835375550081637516.8 14667109835375550081637516.8 29334219670751100163275033.6										RANK CD LUMINOUS INTENSITY		mc d
14507109835375550081637516.8 29014219670751100163275033.6 29334219670751100163275033.6 58668439341502200326550067.2										RANK CE LUMINOUS INTENSITY		mc d
29014219670751100163275033.6 58028439341502200326550067.2 58668439341502200326550067.2 117356878683004400653100134.4										RANK CF LUMINOUS INTENSITY		mc d
58028439341502200326550067.2 116556878683004400653100134.4 117356878683004400653100134.4 234713757366008801306200268.8										RANK CG LUMINOUS INTENSITY		mc d
116556878683004400653100134.4 233113757366008801306200268.8 234713757366008801306200268.8 468227514732017602612400537.6										RANK CH LUMINOUS INTENSITY		mc d
233113757366008801306200268.8 466227514732017602612400537.6 468227514732017602612400537.6 936455029464035205224801075.2										RANK CI LUMINOUS INTENSITY		mc d
466227514732017602612400537.6 932455029464035205224801075.2 936455029464035205224801075.2 1872910058928070410449602150.4										RANK CJ LUMINOUS INTENSITY		mc d
932455029464035205224801075.2 1864910058928070410449602150.4 1872910058928070410449602150.4 3745820117856140820899204300.8										RANK CK LUMINOUS INTENSITY		mc d
1864910058928070410449602150.4 3729820117856140820899204300.8 3745820117856140820899204300.8 7479640235712281641798408601.6										RANK CL LUMINOUS INTENSITY		mc d
3729820117856140820899204300.8 7459640235712281641798408601.6 7479640235712281641798408601.6 14919280471424563235996817203.2										RANK CM LUMINOUS INTENSITY		mc d
7459640235712281641798408601.6 14879280471424563235996817203.2 14919280471424563235996817203.2 29738560942849126471993634406.4										RANK CN LUMINOUS INTENSITY		mc d
14879280471424563235996817203.2 29678560942849126471993634406.4 29738560942849126471993634406.4 59477121885698252943987268812.8										RANK CO LUMINOUS INTENSITY		mc d
29678560942849126471993634406.4 59357121885698252943987268812.8 59477121885698252943987268812.8 118914243771396505887974537625.6										RANK CP LUMINOUS INTENSITY		mc d
59357121885698252943987268812.8 118714243771396505887974537625.6 118914243771396505887974537625.6 237828487542793011775949075251.2										RANK CQ LUMINOUS INTENSITY		mc d
118714243771396505887974537625.6 237628487542793011775949075251.2 237828487542793011775949075251.2 475256975085586023551898150502.4										RANK CR LUMINOUS INTENSITY		mc d
237628487542793011775949075251.2 474456975085586023551898150502.4 475256975085586023551898150502.4 948913950171172047103796301004.8										RANK CS LUMINOUS INTENSITY		mc d
474456975085586023551898150502.4 947813950171172047103796301004.8 475256975085586023551898150502.4 1897627900342344094207592602009.6										RANK CT LUMINOUS INTENSITY		mc d
947813950171172047103796301004.8 1895627900342344094207592602009.6 1897627900342344094207592602009.6 3791255800684688188415185204019.2										RANK CU LUMINOUS INTENSITY		mc d
1895627900342344094207592602009.6 3787255800684688188415185204019.2 1897627900342344094207592602009.6 7574511601369376376830370408038.4										RANK CV LUMINOUS INTENSITY		mc d
3787255800684688188415185204019.2 7570255800684688188415185204038.4 7574511601369376376830370408038.4 15149023202738752753660740816076.8										RANK CW LUMINOUS INTENSITY		mc d
7570255800684688188415185204038.4 15139023202738752753660740816076.8 7574511601369376376830370408038.4												

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