

REV	ECN NO	REVISIONS	DRN	CKD	APP	QA	CM	DATE
A	133445	NEW RELEASE	LD	CS				9-29-25

PART NUMBER	LED COLOR	“A” DIMENSION	“B” DIMENSION	“C” DIMENSION	LED OPERATING CHARACTERISTICS • 25°C										LED ABSOLUTE MAX RATINGS • 25°C							
					DOMINANT WAVELENGTH (nm)			LUMINOUS INTENSITY (mcd)			FORWARD VOLTAGE (V)/ FORWARD CURRENT (mA)			REVERSE CURRENT (µA)	LINEAR DERATION (V/°C)	POWER DISSIPATION (mW)	PEAK FORWARD CURRENT (mA)	DC FORWARD CURRENT/ VOLTAGE	OPERATING TEMPERATURE (°C)	STORAGE TEMPERATURE (°C)		
					MIN	TYP	MAX	TEST CONDITION	MIN	TYP	MAX	TEST CONDITION	MIN	TYP	MAX							
551-0201F	GREEN DIFFUSED	0.132	0.018 X 0.016	0.040	564	569	574	IF=10 mA	5.16	12.6	85	IF=20 mA		2.1 V	2.6 V	100 @ VR=5	FROM 50°C=.4	120	90	30 mA	-55 TO +100	-55 TO +100
551-0301F	YELLOW DIFFUSED	0.132	0.018 X 0.016	0.040	584	590	595	IF=10 mA	3.7	5.6	30	IF=20 mA		2.1 V	2.6 V	100 @ VR=5	FROM 30°C=.18	60	60	20 mA	-40 TO +85	-40 TO +100
551-0401F	RED DIFFUSED	0.132	0.018 X 0.016	0.040	615	625	632	IF=10 mA	2.5	8.7	50	IF=20 mA		2.0 V	2.6 V	100 @ VR=5	FROM 50°C=.4	100	90	30 mA	-55 TO +100	-55 TO +100
551-0501F	RED DIFFUSED, 5 VOLT	0.132	0.018 X 0.016	0.040		623		VCC = 5V	8.7	29		VCC = 5V	8 mA	12 mA	16 mA	100 @ VR=5	FROM 50°C=.07			7.5 V	-40 TO +85	-40 TO +100
551-0601F	GREEN DIFFUSED; 5 VOLT	0.132	0.018 X 0.016	0.040				VCC = 5V	5.6	19		VCC = 5V		12.5 mA	16 mA	100 @ VR=5	FROM 50°C=.07			7.5 V	-40 TO +85	-55 TO +100
551-0701F	YELLOW DIFFUSED; 5 VOLT	0.132	0.018 X 0.016	0.040				VCC = 5V	3.7	12.6		VCC = 5V	8 mA	12 mA	16 mA	100 @ VR=5	FROM 50°C=.14			7.5 V	-40 TO +85	-55 TO +100
551-0801F	BLUE NON-TINTED DIFFUSED	0.132	0.018 X 0.016	0.040	460	470	475	IF=2 mA	11	16	23	IF=2 mA		3.5 V	4.0 V	100 @ VR=5	FROM 30°C=.5	120	100	30 mA	-25 TO +80	-30 TO +100
551-1101F	RED DIFFUSED	0.132	0.018 X 0.016	0.040		623		IF=2 mA	.7	25		IF=2 mA		1.7 V	2.2 V	100 @ VR=5	FROM 90°C=.078	20	500	7 mA	-55 TO +100	-55 TO +100
551-1201F	YELLOW DIFFUSED	0.132	0.018 X 0.016	0.040		588		IF=2 mA	.4	1.1		IF=2 mA		1.8 V	2.2 V	100 @ VR=5	FROM 90°C=.078	20	500	7 mA	-55 TO +100	-55 TO +100
551-1301F	GREEN DIFFUSED	0.132	0.018 X 0.016	0.040		569		IF=2 mA	.4	1.1		IF=2 mA		1.9 V	2.2 V	100 @ VR=5	FROM 90°C=.078	20	500	7 mA	-55 TO +100	-55 TO +100
551-1501F	GREEN TINTED NON-DIFFUSED	0.132	0.018 X 0.016	0.040	566	569	574	IF=10 mA	20	60	100	IF=20 mA		2.1 V	2.6 V	100 @ VR=5	FROM 50°C=.66	80	90	30 mA	-40 TO +85	-40 TO +100
551-1801F	RED AlGaAs DIFFUSED	0.132	0.018 X 0.016	0.040		638		IF=20 mA	19	60		IF=20 mA		1.8 V	2.4 V	100 @ VR=5	FROM 50°C=.50	100	200	40 mA	-40 TO +100	-55 TO +100
551-2501F	ORANGE DIFFUSED	0.132	0.018 SQ.	0.040		602		IF=10 mA	6	9.5	16	IF=10 mA	1.5 V	1.9 V	2.4 V	100 @ VR=5	FROM 50°C=.50	135	90	25 mA	-55 TO +100	-55 TO +100
551-3001F	RED DIFFUSED	0.132	0.018 X 0.016	0.040	612	621	633	IF=10 mA	1.2	5.6	30	IF=20 mA		2.0 V	2.6 V	100 @ VR=5	FROM 50°C=.71	100	90	30 mA	-55 TO +100	-55 TO +100
	GREEN DIFFUSED				564	569	577	IF=10 mA	1.5	8.7	30	IF=20 mA		2.1 V	2.6 V	100 @ VR=5	FROM 50°C=.71	100	90	30 mA	-55 TO +100	-55 TO +100
551-3101F	YELLOW DIFFUSED	0.132	0.018 X 0.016	0.040	583	588	593	IF=10 mA	3.8		11	IF=10 mA		2.1 V	2.6 V	100 @ VR=5	FROM 50°C=.40	78	120	30	-55 TO +100	-55 TO +100
	GREEN DIFFUSED				564	569	574	IF=10 mA	6.5		18	IF=10 mA		2.1 V	2.6 V	100 @ VR=5	FROM 50°C=.24	52	80	20	-55 TO +100	-55 TO +100
551-3201F	RED DIFFUSED	0.132	0.020 SQ.	0.043		621		IF=10 mA	2.5	8.7		IF=20 mA		2.0 V	2.6 V	100 @ VR=5	FROM 50°C=.40	100	120	30	-55 TO +100	-55 TO +100
	YELLOW DIFFUSED					588		IF=10 mA	2.5	8.7		IF=20 mA		2.1 V	2.6 V	100 @ VR=5	FROM 50°C=.25	60	80	20	-55 TO +100	-55 TO +100

