

# LED®



## T1 3/4 (5mm) LOW/MEDIUM PROFILE LEDs

### CLEAR ILLUMINATORS AND DIFFUSED INDICATORS

LEDTRONICS PART NO.	LED COLOR	Topr/ Tstg (see notes)	ABSOLUTE MAX. RATINGS Ta=25°C				ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C						FIG
			Pd mW	Ifp mA	If mA	Vr V	If mA typ	Iv mcd min/typ	Vf V typ/max	VIEW ANGLE	IrMAX µA	λ.P nm	
<b>T1 3/4 (5mm) SINGLE CHIP, LOW PROFILE CLEAR LEDs</b>													
L185CR5H	HI-EFF RED	1/5	135	90	30	5	10	12/18	2.2/3.0	40	100	635	1
L185CY5H	AMBER YELLOW	1/5	85	60	20	5	10	12/18	2.2/3.0	40	100	585	1
L185CG5H	HI-EFF GREEN	2/5	135	90	30	5	10	10/15	2.3/3.0	40	100	569	1
<b>T1 3/4 (5mm) SINGLE CHIP, FLANGELESS MEDIUM PROFILE CLEAR LEDs</b>													
LD190CWR6	ULTRA RED	1/5	100	200	40	4	20	80/140	1.7/2.4	34	100	660	2(*)
LD190CR4	HI-EFF RED	1/5	100	120	30	5	10	3.7/17.0	2.0/2.8	34	100	635	2
LD190CO3	ORANGE	1/5	100	120	30	5	20	45/90	2.0/2.8	34	100	610	2
LD190CY4	AMBER YELLOW	1/5	60	80	20	5	10	5.0/19.0	2.1/2.8	34	100	585	2
LD200CWG6	ULTRA GREEN	4/6	120	-	40	4	20	320/700	2.1/2.8	8	100	567	4
LD190CWG6	ULTRA GREEN	4/6	120	-	40	5	20	125/250	2.1/2.8	8	100	567	5
LD190CG4	HI-EFF GREEN	2/5	100	120	30	5	10	5.0/19.0	2.1/2.8	34	100	565	2
LD190CWPG4	PURE GREEN	2/5	100	120	30	5	20	20/40	2.2/2.8	34	100	555	2
LD190CWB5	BLUE	4/6	125	150	30	5	20	7/10	3.2/3.7	16	10	470	2
<b>T1 3/4 (5mm) SINGLE CHIP, LOW PROFILE DIFFUSED LEDs</b>													
L185TR3	HI-EFF RED	1/5	100	120	30	5	10	2.0/4.0	2.0/2.8	64	100	635	1
L185TR1	STD RED	1/5	80	200	40	5	10	0.2/0.5	1.7/2.0	64	100	655	1
L185TY3	AMBER YELLOW	1/5	60	80	20	5	10	1.0/4.0	2.2/2.8	64	100	585	1
L185TG3	HI-EFF GREEN	2/5	100	120	30	5	10	1.0/4.0	2.2/2.8	64	100	565	1
<b>T1 3/4 (5mm) SINGLE CHIP, FLANGELESS MED. PROFILE DIFFUSED LEDs</b>													
LD190TR6	ULTRA RED	1/5	100	200	40	4	20	11/34	1.7/2.4	60	100	660	2(*)
LD190TR3	HI-EFF RED	1/5	100	120	30	5	10	1.7/6.0	2.1/2.8	60	100	635	2
LD190TR1	STD RED	1/5	80	200	40	5	10	0.3/0.7	1.7/2.0	60	100	655	2
LD190TY3	AMBER YELLOW	1/5	60	80	20	5	10	1.1/3.5	2.2/2.8	60	100	585	2
LD190TG3	HI-EFF GREEN	2/5	100	120	30	5	10	1.7/6.0	2.2/2.8	60	100	565	2
<b>T1 3/4 (5mm) SINGLE CHIP, MEDIUM PROFILE DIFFUSED LEDs</b>													
L190TR6	ULTRA RED	1/5	100	200	40	4	20	11/34	1.7/2.4	60	100	660	3(*)
L190TR3	HI-EFF RED	1/5	100	120	30	5	10	1.7/6.0	2.1/2.8	60	100	635	3
L190TR1	STD RED	1/5	80	200	40	5	10	0.3/0.7	1.7/2.0	60	100	655	3
L190TY3	AMBER YELLOW	1/5	60	80	20	5	10	1.1/3.5	2.2/2.8	60	100	585	3
L190TG3	HI-EFF GREEN	2/5	100	120	30	5	10	1.7/6.0	2.2/2.8	60	100	565	3

Topr notes:

- 1.) -55°C TO +100°C 3.) -20°C TO +85°C  
2.) -20°C TO +100°C 4.) -30°C TO +85°C

Tstg notes:

- 5.) -55°C TO +100°C 6.) -30°C TO +100°C

Jctn/Cath Temp. 145°C/Watt

Lead Soldering Temp. 260°C max., 5 sec.  
1/16" (1.6mm) from body

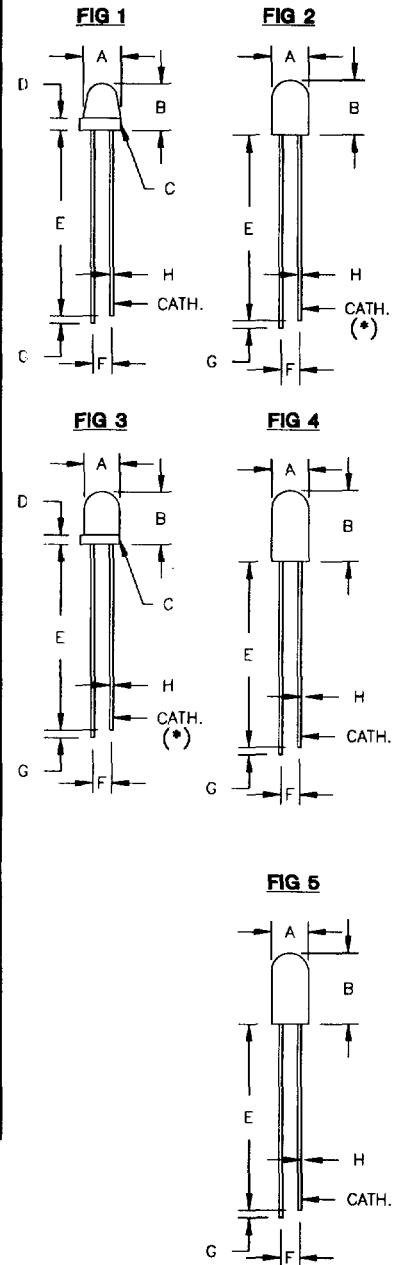


FIG	"A" (O.D.) (mm)	"B" (mm)	"C" DIA. (mm)	"D" (mm)	"E" TYP. (mm)	"F" (mm)	"G" NOM. (mm)	"H" SQ. (mm)	"J" (mm)
1	.189 4.80(mm)	.223 5.66(mm)	.230 5.84(mm)	.065 1.65(mm)	1.00 25.4(mm)	.100 2.54(mm)	.05 1.27(mm)	.020 .5(mm)	—
2	.189 4.80(mm)	.283 7.19(mm)	—	—	1.00 25.4(mm)	.100 2.54(mm)	.05 1.27(mm)	.020 .5(mm)	—
3	.189 4.80(mm)	.283 7.19(mm)	.230 5.84(mm)	.050 1.27(mm)	1.00 25.4(mm)	.100 2.54(mm)	.05 1.27(mm)	.020 .5(mm)	—
4	.197 5(mm)	.380 9.65(mm)	—	—	1.00 25.4(mm)	.100 2.54(mm)	.08 2(mm)	.020 .5(mm)	—
5	.189 4.80(mm)	.295 7.49(mm)	—	—	1.00 25.4(mm)	.100 2.54(mm)	.05 1.27(mm)	.020 .5(mm)	—

NOTES:

(\*)—SHORT LEAD IS ANODE FOR PARTS MARKED (SEE FIG SECT. OF CHART)

LD190CO4 & LD190CPG4 AVAILABLE

Tol: .XXX=.005", .XX=.010"