



# RECTANGULAR LEDs

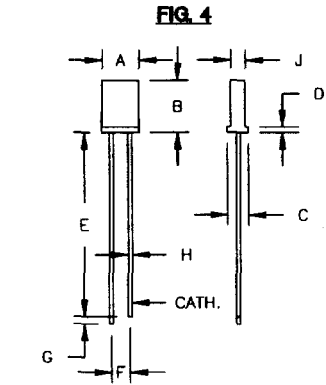
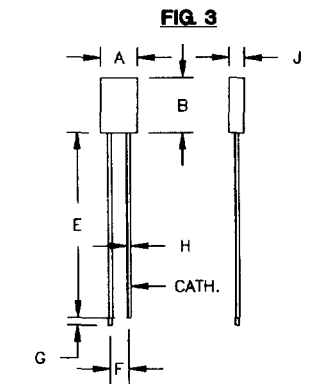
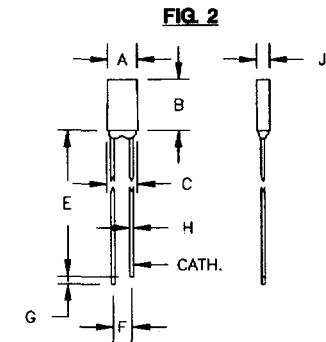
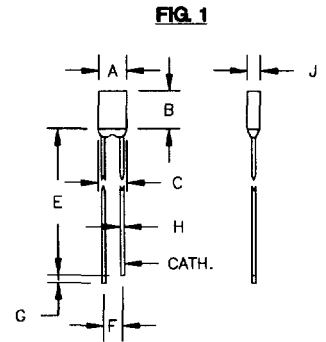
RL070, RL071, RL280M & RL280 RED/YELLOW/GREEN/BLUE

LEDTRONICS PART NO.	LED COLOR	Topr/ Tstg (see notes)	ABSOLUTE MAX. RATINGS Ta=25°C				ELECTRO-OPTICAL CHARACTERISTICS Ta=25°C						FIGURE
			Pd mW	Ifp mA	If mA	Vr V	If mA typ	Iv mcd min/typ	Vf V typ/max	VIEW ANGLE	IrMAX µA	λP nm	
<b>0.154" x 0.070" (175 x 4mm) RECTANGULAR LED, DIFFUSED LENS</b>													
RL070R2	GaP RED	1/4	40	60	15	5	10	0.5/1.2	2.1/2.8	104	100	697	1
RL070R3	HI-EFF. RED	1/4	100	120	30	5	10	1.2/3.0	2.0/2.8	104	100	625	1
RL070Y3	YELLOW	1/4	60	80	20	5	10	1.0/2.3	2.1/2.8	104	100	585	1
RL070G3	GREEN	1/4	100	120	30	5	10	1.2/3.0	2.1/2.8	104	100	565	1
RL070TWB4	BLUE	1/4	100	180	35	5	30	0.6/1.1	3.2/3.7	130	100	470	1
<b>NEW</b> RL071R3 Formerly (RL070R3A)	HI-EFF. RED	1/4	100	120	30	5	10	2.0/4.5	2.0/2.8	104	100	625	2
<b>NEW</b> RL071Y3 Formerly (RL070Y3A)	YELLOW	1/4	60	80	20	5	10	1.5/3.5	2.1/2.8	104	100	585	2
<b>NEW</b> RL071G3 Formerly (RL070G3A)	GREEN	1/4	100	120	30	5	10	2.0/4.5	2.1/2.8	104	100	565	2
RL071TWB4 Formerly (RL070B4-3V/50)	BLUE	1/4	100	180	35	5	30	0.6/1.1	3.2/3.7	130	100	470	2
<b>0.200" x 0.080" (2 x 5mm) RECTANGULAR LED, DIFFUSED LENS</b>													
RL280R3M	HI-EFF. RED	1/4	100	120	30	5	10	1.5/3.8	2.0/2.8	120	100	635	3
<b>NEW</b> RL280O3M	ORANGE	1/4	100	120	30	5	20	1.5/3.8	2.1/2.8	120	100	610	3
RL280Y3M	YELLOW	1/4	60	80	20	5	10	1.5/3.8	2.1/2.8	120	100	585	3
RL280G3M	GREEN	1/4	100	120	30	5	10	1.5/3.8	2.1/2.8	120	100	565	3
RL280B3M	BLUE	1/4	200	300	50	5	20	0.4/0.8	2.8/3.7	120	100	470	3
RL280R3	HI-EFF. RED	1/4	100	120	30	5	10	1.5/3.8	2.0/2.8	120	100	635	4
RL280Y3	YELLOW	1/4	60	80	20	5	10	1.5/3.0	2.1/2.8	120	100	585	4
RL280G3	GREEN	1/4	100	120	30	5	10	1.5/3.0	2.1/2.8	120	100	565	4
RL280R6H	AlGaAs RED	1/4	87	300	30	5	20	3.6/7.5	1.8/2.2	120	100	645	3
RL280R3H	HI-EFF. RED	2/4	135	90	25	5	20	3.4/4.8	2.2/3.0	120	100	635	3
RL280O3H	ORANGE	2/4	135	90	25	5	20	3.4/4.8	2.2/3.0	120	100	600	3
RL280Y3H	YELLOW	2/4	85	60	20	5	20	2.2/3.5	2.2/3.0	120	100	583	3
RL280G3H	GREEN	1/4	135	90	25	5	20	4.1/5.8	2.3/3.0	120	100	565	3
<b>0.200" x 0.080" (2 x 5mm) 5 VOLT RESISTOR LED, DIFFUSED LENS</b>													
RL280R3M-5V	HI-EFF. RED	3/4	150	-	20	5	10	2.1/3.5	5/7.5	180	100	635	3
RL280Y3M-5V	YELLOW	3/4	150	-	20	5	10	2.1/3.5	5/7.5	180	100	585	3
RL280G3M-5V	GREEN	3/4	150	-	20	5	10	2.1/3.5	5/7.5	180	100	565	3

Topr notes: 1.) -20°C TO +80°C 2.) -55°C TO +100°C 3.) -40°C TO +85°C  
 Tstg notes: 4.) -55°C TO +100°C  
 Jctn/Cath Temp. 145°C/Watt  
 Lead Soldering Temp. 260°C max., 5 sec.  
 1/16" (1.6mm) from body

### SPECIALS

- GaAlAs ULTRA RED, 605nm PURE ORANGE & PURE GREEN LEDs
- BLINKING/FLASHING LEDs
- BICOLOR AND TRICOLOR LEDs
- INTEGRATED RESISTOR LEDs



### MECHANICAL SPECIFICATION

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

FIG	"A" (mm)	"B" (mm)	"C" (mm)	"D" (mm)	"E" (mm)	"F" (mm)	"G" (mm)	"H" (mm)	"J" (mm)
1	.149 3.8(mm)	.205 5.2(mm)	.151 3.8(mm)	—	1.00 25.4(mm)	.100 2.5(mm)	.08 2(mm)	.020 .5(mm)	.070 1.7(mm)
2	.157 4(mm)	.274 6.9(mm)	.163 4.1(mm)	—	1.00 25.4(mm)	.100 2.5(mm)	.08 2(mm)	.020 .5(mm)	.070 1.7(mm)
3	.196 5(mm)	.295 7.5(mm)	—	—	1.00 25.4(mm)	.100 2.5(mm)	.04 1(mm)	.020 .5(mm)	.080 2(mm)
4	.196 5(mm)	.282 7.2(mm)	.113 2.9(mm)	.030 .8(mm)	1.00 25.4(mm)	.100 2.5(mm)	.04 1(mm)	.020 .5(mm)	.080 2(mm)