



# T1 (3mm) Right-Angled Tri-Level PCB LEDs

Part Number	Emitted Color	Lens Color/Type	Projection Type	Electrical-Optical Characteristics (Ta = 25°C)				View Angle 2θ <sub>1/2</sub>	Figure
				I <sub>f</sub> (mA)	I <sub>v</sub> (mcd) typ	V <sub>f</sub> (V) typ/max	λ <sub>p</sub> (nm)		

### T1 (3mm) Tri-Level, Same or Mix Color, High-Efficiency (Diffused) LEDs

<p>Mix Color (See Fig.1 Part Number Example) Same Color</p>	31PCT170TR6	ULTRA RED	RED Diffused	Standard	20	150	1.7/2.6	660	45°	1
	31PCT170TR4 (5)	HE RED	RED Diffused	Standard	20	30	2.0/2.8	635	45°	
	31PCT170TO4 (5)	ORANGE	ORN Diffused	Standard	20	14	2.1/2.8	610	45°	
	31PCT170TY4 (5)	YELLOW	YEL Diffused	Standard	20	24	2.1/2.8	585	45°	
	31PCT170TG4 (5)	HE GREEN	GRN Diffused	Standard	20	12	2.1/2.8	565	45°	
	31PCT170TUB5	ULTRA BLUE	BLU Diffused	Standard	20	30	3.8/5.0	430	45°	

### T1 (3mm) Tri-Level, Same or Mix Color, Sunlight-Visible (Diffused) LEDs

<p>Mix Color (See Fig.1 Part Number Example) Same Color</p>	31PCT170T-0UR	ULTRA RED	RED Diffused	Standard	20	700	2.0/2.6	660	45°	1
	31PCT170T-0UO	ORANGE	ORN Diffused	Standard	20	1000	2.0/2.6	610	45°	
	31PCT170T-0UY	YELLOW	YEL Diffused	Standard	20	480	2.0/2.6	592	45°	
	31PCT170T-0UG	LIME GREEN	GRN Diffused	Standard	20	300	2.0/2.6	570	45°	
	31PCT170T-1AG	AQUA GREEN	GRN Diffused	Standard	20	300	3.5/4.0	523	45°	
	31PCT170T-1PB	PURE BLUE	BLU Diffused	Standard	20	120	3.6/4.0	470	45°	

### T1 (3mm) Tri-Level, Same or Mix Color, 2mA Low Current (Diffused) LEDs

See above	31PCT170TR5N-LC	HE RED	RED Diffused	Standard	2	2.2	1.8/2.2	635	45°	1
	31PCT170TY5N-LC	YELLOW	YEL Diffused	Standard	2	2.3	1.9/2.7	585	45°	
	31PCT170TG5N-LC	HE GREEN	GRN Diffused	Standard	2	2.2	1.8/2.2	568	45°	

### T1 (3mm) Tri-Level, Same or Mix Color, High-Efficiency (Tinted-Clear) LEDs

See above	31PCT170CR5N	HE RED	RED Clear	Standard	20	100	2.0/2.6	635	30°	1
	31PCT170CY5N	YELLOW	YEL Clear	Standard	20	90	2.1/2.6	585	30°	
	31PCT170CG5N	HE GREEN	GRN Clear	Standard	20	110	2.1/2.6	565	30°	

### T1 (3mm) Tri-Level, Same or Mix Color, 5V Integrated Resistor (Diffused) LEDs

See above	31PCT170TR3-5V	HE RED	RED Diffused	Standard	20	4	5V	635	30°	1
	31PCT170TY3-5V	YELLOW	YEL Diffused	Standard	20	4	5V	585	30°	
	31PCT170TG3-5V	HE GREEN	GRN Diffused	Standard	20	3.5	5V	565	30°	

### T1 (3mm) Tri-Level, Same or Mix Color, Sunlight-Visible (Water-Clear) LEDs

<p>Mix Color (See Fig.1 Part Number Example) Same Color</p>	31PCT170-0UR	ULTRA RED	Water-Clear	Standard	20	800	2.0/2.6	660	30°	1
	31PCT170-0UO	ORANGE	Water-Clear	Standard	20	600	2.0/2.6	620	30°	
	31PCT170-0UY	YELLOW	Water-Clear	Standard	20	700	2.0/2.6	595	30°	
	31PCT170-1CW	COOL WHITE	Water-Clear	Standard	20	250	3.6/4.0	592	30°	
	31PCT170-0UG	LIME GREEN	Water-Clear	Standard	20	600	2.0/2.6	570	30°	
	31PCT170-1AG	AQUA GREEN	Water-Clear	Standard	20	600	3.5/4.0	525	30°	
31PCT170-1PB	PURE BLUE	Water-Clear	Standard	20	400	3.6/4.0	470	30°		

### T1 (3mm) Tri-Level, Same or Mix Color, High-Efficiency (Water-Clear) LEDs

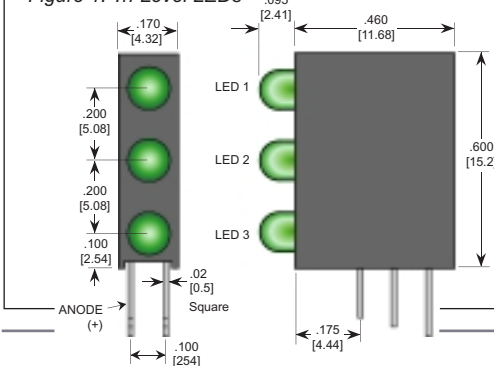
See above	31PCT170CWR5N	HE RED	Water-Clear	Standard	20	100	2.0/2.6	635	30°	1
	31PCT170CWY5N	YELLOW	Water-Clear	Standard	20	90	2.1/2.6	585	30°	
	31PCT170CWG5N	HE GREEN	Water-Clear	Standard	20	110	2.1/2.6	568	30°	

### T1 (3mm) Tri-Level, Same or Mix Color, Bicolor (Diffused) LEDs, 2-Leaded

See above	31PCT170TWRG4B	HE RED	WHT Diffused	Standard	20	30	2.0/2.6	630	50°	1
		HE GREEN		Standard	20	30	2.2/2.6	568	50°	
	31PCT170TwyG4B	YELLOW	WHT Diffused	Standard	20	15	2.1/2.6	585	50°	
		HE GREEN		Standard	20	30	2.2/2.8	568	50°	

Custom Options: OEM large quantity requirements

Figure 1. Tri-Level LEDs



Part Number Example: Mix Color

31PCT170T4-G/Y/G (Green LED 1, Yellow LED 2, Green LED 3)

31PCT170T4-G/Y/G

No. of LEDs High

No. of LEDs Across

Body Style

Brightness Code

Lens Type:  
T= Diffused

Part Number Example: 1 Blank Space

31PCT170T4-G/x/G (Green LED 1, Blank LED 2, Green LED 3)

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