

LED[®] Miniature Tri-level and Quad-level for Backlighting

1.8mm LED Circuit Board Indicator



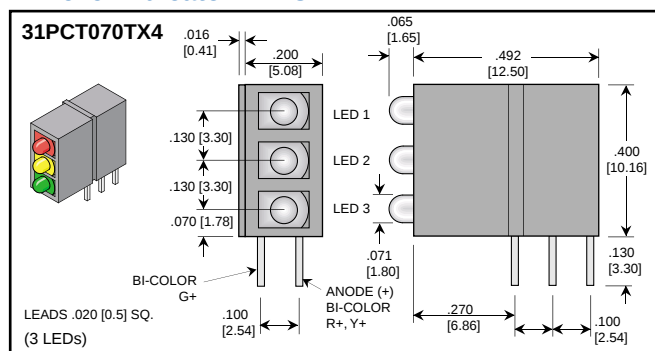
Features

- 1.8mm sized LEDs save space
- Housing material meets UL94V-0
- Facilitates PCB mounting
- Fast turn on/off time I.C. compatible
- Colors can be mixed in a single housing
- Solid-State, high shock/vibration resistant
- Single color or Bicolor configurations
- Long life / 100,000+ hours (10 years)
- One piece housing
- Three Year Warranty

Options

- Sunlight Visible Ultrabrights
- Low current (2mA) LEDs
- Special colors: Orange, Pure Green, Blue
- Infrareds 840nm, 880nm, 940nm
- Clear illuminator LEDs for backlighting

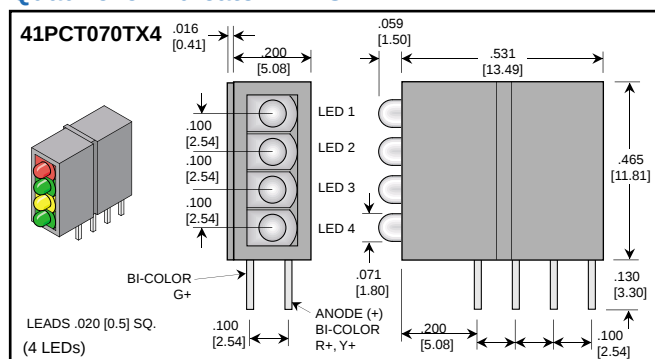
Tri-level Indicator LEDs



Part Number	LED Color	Lens Type/Color	Electrical-Optical Characteristics (Ta = 25°C)				Full Viewing Angle
			I _f = mA typ	I _v mcd typ	V _f = V typ/max	λ _p nm	
31PCT070TR4	RED	DIFFUSED	10	12.5	2.0/2.6	625	
31PCT070TY4	YELLOW	DIFFUSED	10	5.5	2.1/2.6	590	
31PCT070TG4	GREEN	DIFFUSED	10	5.5	2.2/2.6	565	
31PCT070TWRG4	RED	MILKY	10	4.0	2.0/2.6	635	
	GREEN	WHITE	10	4.0	2.2/2.6	568	
31PCT070TWYG4	YELLOW	MILKY	10	2.4	2.1/2.6	585	
	GREEN	WHITE	10	4.0	2.2/2.6	568	

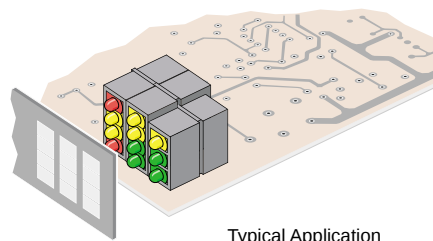
Bi-color LED Projection .075

Quad-level Indicator LEDs



Part Number	LED Color	Lens Type/Color	Electrical-Optical Characteristics (Ta = 25°C)				Full Viewing Angle
			I _f = mA typ	I _v mcd typ	V _f = V typ/max	λ _p nm	
41PCT070TR4	RED	DIFFUSED	10	12.5	2.0/2.6	625	
41PCT070TY4	YELLOW	DIFFUSED	10	5.5	2.1/2.6	590	
41PCT070TG4	GREEN	DIFFUSED	10	5.5	2.2/2.6	565	
41PCT070TWRG4	RED	MILKY	10	4.0	2.0/2.6	635	
	GREEN	WHITE	10	4.0	2.2/2.6	568	
41PCT070TWYG4	YELLOW	MILKY	10	2.4	2.1/2.6	585	
	GREEN	WHITE	10	4.0	2.2/2.6	568	

Bi-color LED Projection .075



Typical Application

Examples of part number ordering code

All LEDs same color			
41PCT070TG4			
No. of LEDs high	No. of LEDs across	Body style	LED color
			Lens type: T = diffused

All LEDs same Bi-color			
41PCT070TWYG4			
No. of LEDs high	No. of LEDs across	Body style	LED color
			Lens type: TW = Milky White

Mixed colors same type LED			
41PCT070T4-Y/Y/Y/G			
No. of LEDs high	No. of LEDs across	Body style	LED (1),(2),(3),(4) color
			Brightness code
			Lens type: T = diffused