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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# .250" SNAP-IN PANEL LIGHT



Data Display Products®

## T-1 3/4 Standard Profile

- Mounting Diameter .249"(6.32) to .252"(6.40) - For Panels .031"(.79) to .125" (3.18) Thick - For Detailed LED Data, See Discrete Section, MODEL 200

### TO ORDER, FOLLOW THE EXAMPLE:

Select one **BOLD** component from each numbered category in the tables below.

<b>1</b>	<b>Model</b>	<b>2</b>	<b>LED</b>	<b>3</b>	<b>Voltage</b>
	PR405		-BR		12H

→Part Number **PR405-BR12H:**

<b>1</b>	<b>Model</b>	<b>Wires</b>	<b>Description</b>
	P405 PR405	<b>W</b> (optional)	Voltage = 2 (External Resistor Required) Voltages 5H - 120

<b>STANDARD INTENSITY - DIFFUSED ENCAPSULATION</b>						
<b>2</b>	<b>LED</b>	<b>Color</b>	$\lambda_{pk}$ (nm)	Iv <sup>[1]</sup> (mcd)	Viewing Angle	V/C Table <sup>[3]</sup>
	-BR	RED	635	14	60	I
	-BA	AMB	583	16	60	I
	-BG	GRN	565	10	60	I

<b>MEDIUM INTENSITY - TINTED ENCAPSULATION</b>					
<b>LED</b>	<b>Color</b>	$\lambda_{pk}$ (nm)	Iv <sup>[1]</sup> (mcd)	Viewing Angle	V/C Table <sup>[3]</sup>
-BCR	RED	635	120	35	I
-BCA	AMB	583	100	35	I
-BCG	GRN	565	80	24	I

<b>HIGH INTENSITY - WATERCLEAR ENCAPSULATION</b>					
<b>LED</b>	<b>Color</b>	$\lambda_{pk}$ (nm)	Iv <sup>[1]</sup> (mcd)	Viewing Angle	V/C Table <sup>[3]</sup>
-NWR	RED	634	5300	30	I
-NWO	ORG	605	2000	30	I
-NWA	AMB	592	5300	30	I
-NWG	GRN	520	2400	45	II
-NWB	BLU	465	700	45	II
-NWW	WHT	[2]	1560	50	II
-NKR	RED	634	6900	15	I
-NKO	ORG	605	8000	15	I
-NKA	AMB	592	6900	15	I
-NKG	GRN	520	10000	15	II
-NKB	BLU	465	3000	15	II
-NKW	WHT	[2]	5600	20	II

<b>SPECIALTY LEDs - DIFFUSED ENCAPSULATION</b>						
<b>LED</b>	<b>Color</b>	$\lambda_{pk}$ (nm)	Iv <sup>[1]</sup> (mcd)	Viewing Angle	V/C Table <sup>[3]</sup>	<b>Description</b>
-RLP <sup>[6]</sup>	RED	635	2.3	50	[3]	Low Power
-ALP <sup>[6]</sup>	AMB	583	2.1	50	[3]	Low Power
-GLP <sup>[6]</sup>	GRN	565	2.3	50	[3]	Low Power
-LRG	RED/GRN	660/565	90/40	60	I	Bi-Color, Red Cathode

<b>Voltage/Current</b>	
Design Vf/If	Max Vf/If
<b>V/C Table I</b>	
5V/27mA	5.5V/40mA
12V/27mA	14V/35mA
15V/24mA	16.5V/28mA
24V/17mA	26V/20mA
28V/16.5mA	30V/18mA
48V/15mA	50V/16mA
60V/9mA	65V/10mA
120VAC/3.5mA	130VAC/4mA

<b>Voltage/Current</b>	
Design Vf/If	Max Vf/If
<b>V/C Table II</b>	
5V/15mA	6V/36mA
12V/15mA	14V/20mA
15V/15mA	16.5V/18mA
24V/15mA	26V/18mA
28V/15mA	30V/17mA
48V/9.5mA	50V/10mA
60V/7mA	65V/8mA
120VAC/3.5mA	130VAC/4mA

<b>3</b>	<b>Voltage<sup>[4]</sup></b>
	2
	5H
	12H
	15H
	24H
	28H
	48H
	60H
	120 <sup>[5]</sup>

[1] Iv = typical luminous intensity @ If = 20mA (Ta=25°C), Low Power LEDs @ If = 2mA.

[2] White is identified by one of four CIE coordinates x:0.290/y:0.260, x:0.290/y:0.305, x:0.330/y:0.365, x:0.330/y:0.320

[3] See Voltage/Current table for design specifications. Design current for low power LEDs = 2mA.

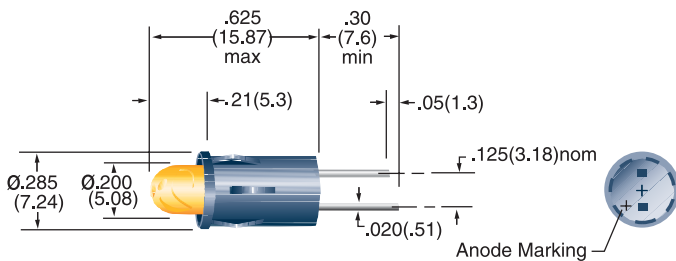
[4] Ta = 25°C. Voltages 5H through 60H and VDC. For AC operation, insert D after Voltage (e.g. 24HD). D indicates built-in rectifier, not required for 15VAC or less or 120VAC. DC operation not available for 120V. Bi-Color not available in AC voltages.

[5] Select high intensity LEDs only.

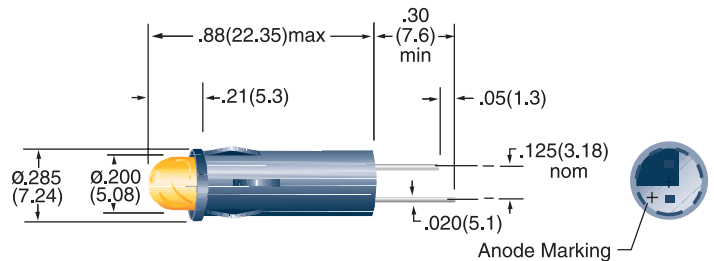
[6] Omit the H when selecting voltage (e.g. PR405-RLP12).



### P405



### PR405



#### Standard Wire Leads:

6.0" total length(nominal)/.50" stripped (nominal), red anode/black cathode, 24 AWG TPB UL1061 insulation. Contact factory for other lengths, gauges and colors.

#### All dimensions are in inches (mm)

Tolerances:  $.xx"(.x) \pm .025"(.63)$  /  $.xxx"(.xx) \pm .010"(.25)$   
 Specifications are subject to change without notice.