RGB Multi-Voltage LED
8mm Round Common Cathode 4-Pin

Item No.: OKLEDT8050TAV

■Description
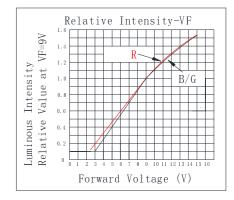- This RGB LED has three internal LEDs (Red, Green, and Blue) and three internal resistors that can be combined to deliver almost any color output with wide operation voltage of DC 3-15V.
- 50pcs are supplied in a storage box
- Easy to use and storage, user-friendly
- Widely applied to project design, Arduino/Pi Pico/Steam kit, TTL/Cmos compatible applications

■Product Picture
50pcs/Box (Dimensions: 90*65*30mm)

■Features
- Wide Input Voltage
- Cost Saving and Space Saving
- Water Clear
- Three-color Common Cathode Type

■Applications
- Toys/Game/Audio
- TTL/Cmos Compatible
- Arduino/Pi Pico/Steam Kit
- Other Electronics Products

■Outline Dimension

LED with built-in resistor

1.Pure green Anode
2.Blue Anode
3.Common Cathode
4.Red Anode
Unit: mm
Tolerance: ±0.20mm
unless otherwise noted

■Absolute Maximum Rating (Ta=25℃)

Item	Symbol	Value	Unit
DC Forward Voltage	V_F	15	V
Reverse Voltage	V_R	12	V
Power Dissipation	P_D	190	mW
Operating Temperature	Topr	-30 ~ +85	℃
Storage Temperature	Tstg	-40~ +100	℃
Lead Soldering Temperature	Tsol	260℃/5sec	-

■Directivity

■Electrical -Optical Characteristics (Ta=25℃)

LED P/N	OSTAMC8131A-VV		
Light Color	Red	Pure Green	Blue
Lens Color	Water Clear		
Wavelength*1	620-630nm	520-530nm	465-475m
Luminous Intensity(typ.)*2	4200mcd	7000mcd	2500mcd
Forward Voltage(typ.)	9V	9V	9V
Forward Current(typ.)*3	8mA	7.5mA	7.5mA
Viewing Angle(typ.)	30°	30°	30°
Quantity(pcs)/Box	50		

*1 Tolerance of measurements of dominant wavelength is ±1nm
*2 Tolerance of measurements of luminous intensity is ±15%
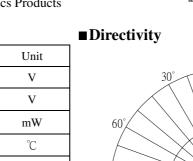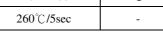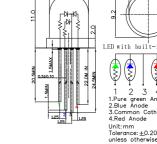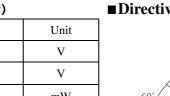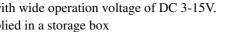*3 Tolerance of measurements of forward current ±1mA

■Optical Characteristic Curves

LED & Application Technologies