

SPECIFICATION FORM**FEATURES**

- ✧ 19.0MM×19.0MM OUTLINE
- ✧ DUAL COLOR CLUSTER
- ✧ EASY ASSEMBLY
- ✧ HIGH BRIGHTNESS
- ✧ SOLID STATE RELIABILITY
- ✧ LOW POWER REQUIREMENT

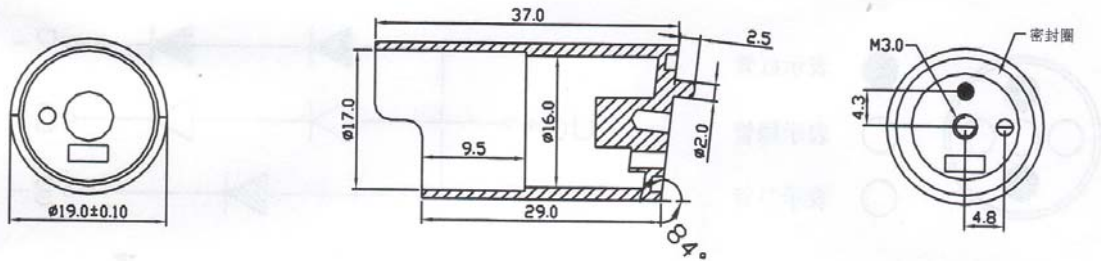
DESCRIPTION

The REC-C19R5 is a 19.0MM×19.0MM outline, dual color, common anode outdoor cluster display. This display consists of super-red LEDs . These devices have black face and water clear round LEDs.

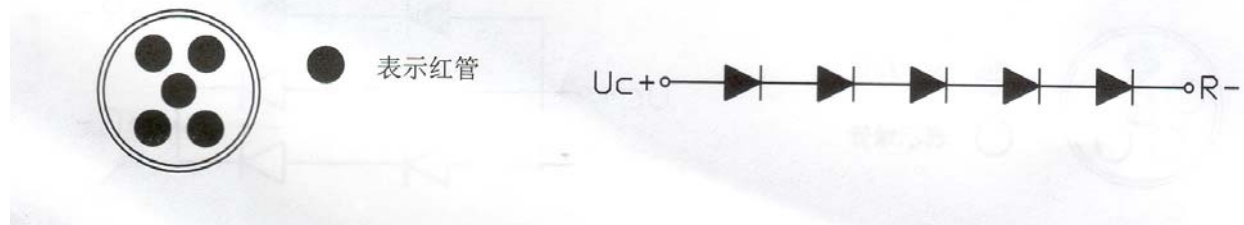
DEVICE

PART NO.	EMITTING COLOR	DESCRIPTION
REC-C19R5	Super-red	2 Red Round LEDs

PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM



ABSOLUTE MAXIMUM RATING AT $T_A=25^\circ\text{C}$

PARAMETER	RED	GREEN
Power Dissipation, P_{AD} (mW)	120	200
Peak Forward Current, I_{PF} (mA)	60	60
Continuous Forward Current, I_{AF} (mA)	20	20
Reverse Voltage, V_R (V)	10	15
Operating Temperature Range, T_{opr}	- 25° C to + 85° C	
Storage Temperature Range, T_{stg}	- 30° C to + 90° C	
Solder Temperature : 1 / 16 inch below seating plane for 3 seconds at 260° C		

ELECTRO - OPTICAL CHARACTERISTICS AT $T_A=25^\circ\text{C}$

PARAMETER	RED		
	MIN	TYP	MAX
Luminous Intensity, I_V (mcd, $I_F=20\text{mA}$)		10000	
Peak Emission Wavelength, λ_P (nm, $I_F=20\text{mA}$)		645	
Special Line Half-Width, $\Delta\lambda$ (nm, $I_F=20\text{mA}$)		20	
Forward Voltage, V_F (V, $I_F=20\text{mA}$)	1.6	1.9	2.2
Viewing Angle, $2\theta_{1/2}$ (degree)		20	
Luminous Intensity Matching Ratio, I_{V-m} ($I_F=20\text{mA}$)			2: 1