

MODEL : GOQ MWS072
Mini White Shallow



Characteristics

Most Preferred Best seller LED module : CE, UL, RoHS Certified
Power Consumption : 0.72W
LED provided by SAMSUNG
SMD LED mounted : Made in Korea
LED Driver : Constant Voltage Driving System
Max. 50 modules in series
Design of a new and unique CAP TYPE Optical Lens
Each unit can be used to cut.
Best Viewing Angle : **160°**

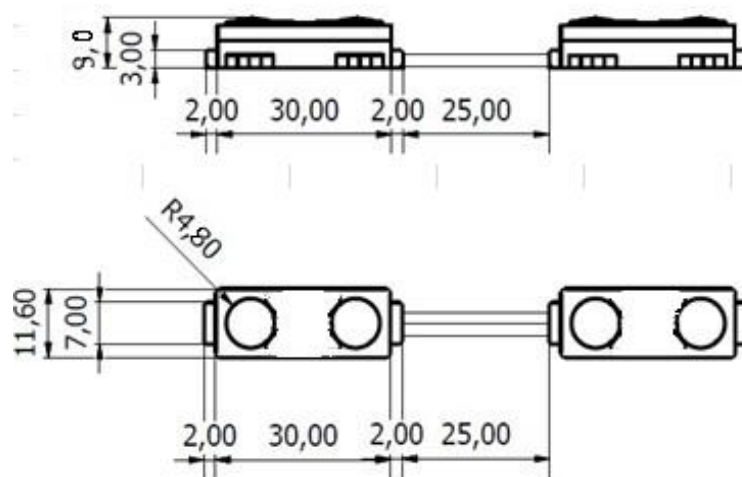
Enhanced Functions

Stylish Appearance design : SHALLOW TYPE of Optical Lens
Design for Humid & Waterproof : IP68
Easy Installation & Maintenance

Applications

- * Narrow and Close-fitting Channel letters
- * Flex light Box illumination
- * Duplex light Box illumination

Dimensions



Specifications

| Item | Value | Unit |
|--------------------|---------------------|----------|
| Product No. | GOQ MWS072 | |
| Power Consumption | 0.72 | Watt |
| Input Voltage | 12 | VDC |
| Input Current | 60 | mA |
| View Angle | 160 | ° |
| Luminous intensity | 60 | lm(Typ.) |
| CRI | 80 | % |
| Module Pitch | 25 | mm |
| Size | 34 X 11.6 X 9.0 | mm |
| Weight | 3.8 | g |
| Max. in Series | 50 | EA |
| Operating Temp | - 30 ~ 85 | °C |
| Storage Temp | - 40 ~ 100 | °C |
| Waterproof | IP68 | |
| Cable | UL, 20AWG 300V/80°C | |
| Case materials | UL, ABS, V0-class | |
| Lens materials | UL, SAN, V0-class | |

LED Specifications



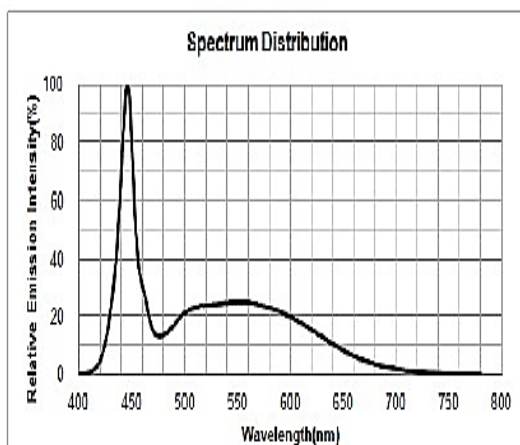
Absolute Maximum Ratings

| Item | Symbol | Rating | Condition |
|------------------------------|---------------|----------------|----------------------------|
| Operating temperature range | T_{op} | -40°C ~ +85°C | - |
| Storage temperature range | T_{stg} | -40°C ~ +120°C | - |
| LED junction temperature | T_j | 110°C | - |
| Forward Current | I_F | 150 mA | - |
| Peak Pulsed Forward Current | I_{FP} | 300 mA | Duty 1/10 pulse width 10ms |
| Thermal resistance | $R_{th, j-s}$ | 16°C/W | Junction to solder point |
| Assembly Process Temperature | - | 260°C, < 10sec | - |
| ESD | - | 5kV | HBM |

Characteristics

| Item | Unit | Nominal CCT | Product Code | Rank | Min | Typ | Max |
|---|------|-------------|--------------|------|------|-----|------|
| Forward Voltage ¹⁾ (V_f) (@85 mA, $T_s = 25^\circ\text{C}$) | V | - | - | AZ | 2.70 | - | 2.80 |
| | | | | A1 | 2.80 | - | 2.90 |
| | | | | A2 | 2.90 | - | 3.00 |
| | | | | A3 | 3.00 | - | 3.10 |
| | | | | A4 | 3.10 | - | 3.20 |
| Luminous Intensity ²⁾ (I_v) (@85 mA, $T_s = 25^\circ\text{C}$) | lm | 10000K | *WAAUS0 | S0 | 24.0 | - | 31.5 |
| Reverse Voltage (@5 mA, $T_s = 25^\circ\text{C}$) | V | - | - | - | 0.7 | - | 1.2 |

Spectrum ($T_s=25^\circ\text{C}$)



Radiation Characteristics

