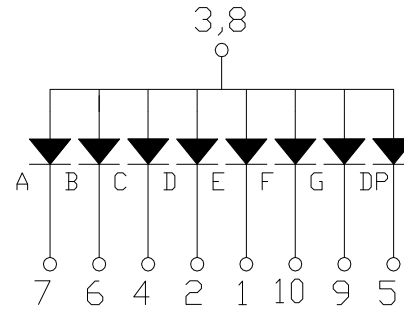
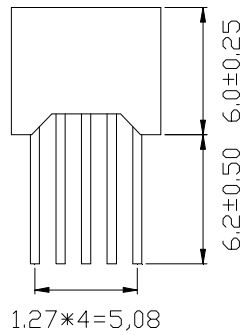
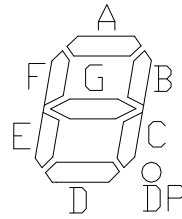
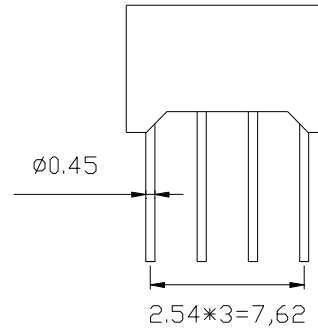
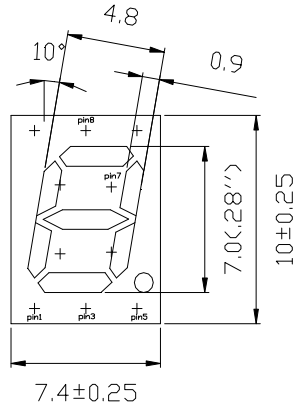


SPECIFICATIONS
CDSAP28B2WBF
OUTLINES DIMENSIONS

Notes:

1. All Dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}$ (0.01") unless otherwise noted.
3. Specifications are subject to change without notice.

| Part Number | Chip Material | Color of Emission | Lens Type | Description |
|--------------|---------------|-------------------|---------------|--------------|
| CDSAP28B2WBF | InGaN | Blue | White Segment | Common Anode |



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ABSOLUTE MAXIMUM RATINGS
(TA=25°C)

| Parameter | Symbol | Max Rating | Unit |
|--|--------|------------|------|
| Power Dissipation | PD | 80 | mW |
| Pulse Forward Current | IFP | 120 | mA |
| Continuous Forward Current | IF | 20 | mA |
| Reverse Voltage Segment | VR | 5 | V |
| Operating Temperature Range | TOPR | -25~+85 | °C |
| Storage Temperature Range | TSTG | -30~+85 | °C |
| IFP = Pulse Width ≤ 10 ms, Duty Ratio ≤1/10. Soldering Condition: 260 °C/ 5sec | | | |

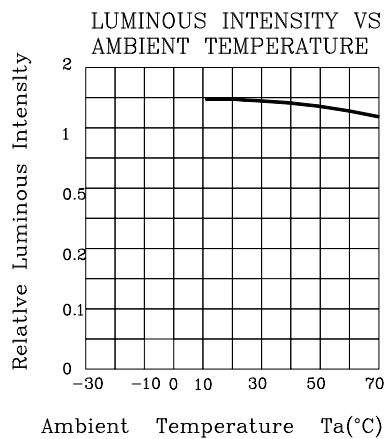
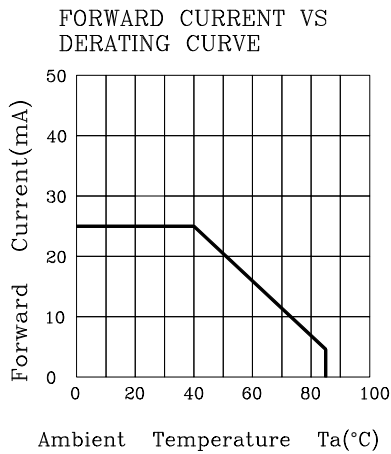
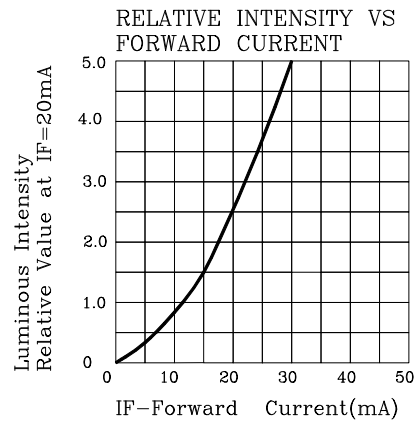
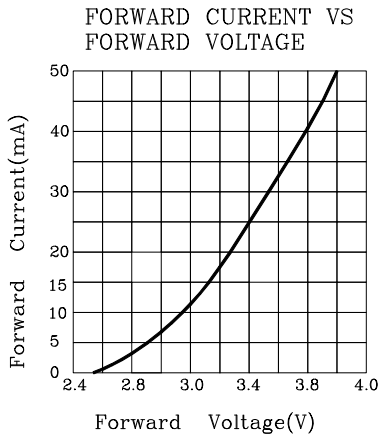
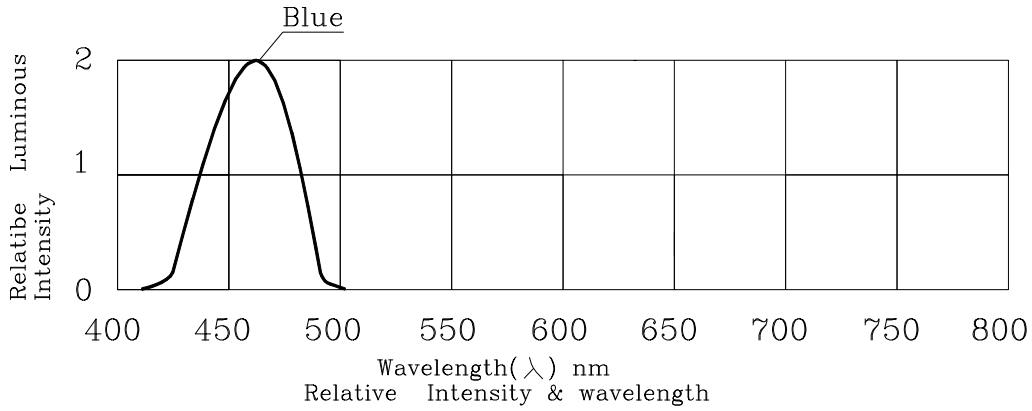
OPTICAL-ELECTRICAL CHARACTERISTICS
(TA=25°C)

| Parameter | Symbol | Test Condition | Value | | | Unit |
|------------------------------|--------|----------------|-------|-----|-----|------|
| | | | Min | Typ | Max | |
| Luminous Intensity | IV | IF = 10mA | 26 | 70 | - | mcd |
| Forward Voltage | VF | IF = 20mA | - | 3.2 | 3.5 | V |
| Reverse Leakage Current | IR | VR = 5V | - | - | 20 | μA |
| Dominant Wavelength | λD | IF = 20mA | - | 460 | - | nm |
| Spectral Radiation Bandwidth | Δλ | IF = 20mA | - | 30 | - | nm |



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OPTICAL CHARACTERISTIC CURVES

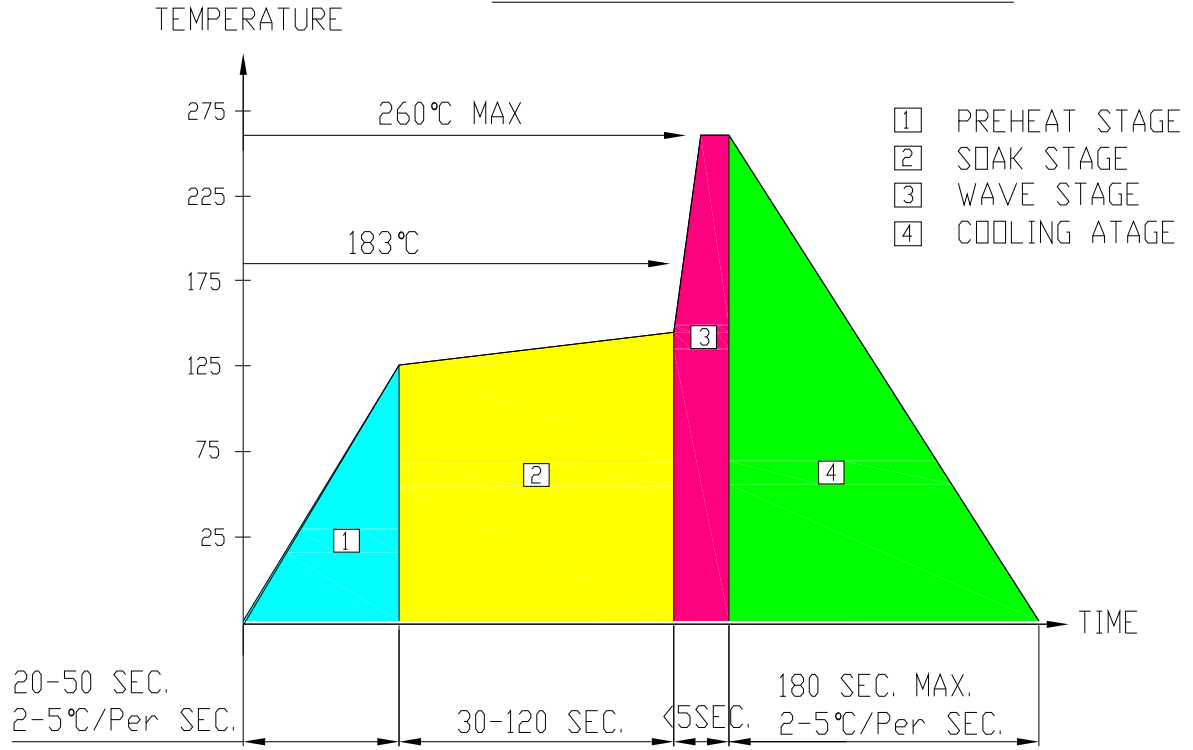


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SOLDERING CONDITIONS – DISPLAY TYPE LED

● **RECOMMEND SOLDERING PROFILE**

WAVE SOLDER PROFILE




● **SOLDERING IRON**

Basic spec is ≤ 4 sec when 260°C. If temperature is higher, time should be shorter (+10°C→1 sec). Power dissipation of Iron should be smaller than 15W, and temperature should be controllable. Surface temperature of the device should be under 230°C.

● **REWORK**

Customer must finish rework within ≤ 4 sec under 245°C.



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