



**EN:** This Datasheet is presented by the manufacturer.

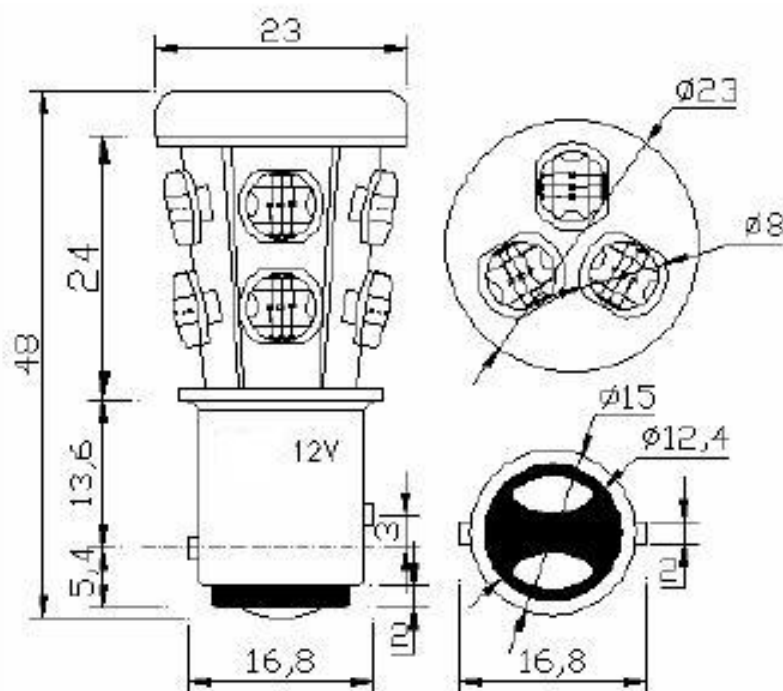
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# DESCRIPTION:

(A) Electronics and Optical Characteristics: Ta=25°C

| PART NO        | Emitting Color | Forward Voltage (DC) | TotallityLuminous Intensity   | Efficacy             | Dominant Wavelength | Color Temperature | Single LED Intensity | Viewing Angle |
|----------------|----------------|----------------------|-------------------------------|----------------------|---------------------|-------------------|----------------------|---------------|
|                |                | Unit: V              | Unit: LM<br>Error margin: ±5% | Unit:LM/W            | Unit:nm             | Unit:K            | Unit:mcđ (0.5m)      | Unit:deg      |
| BA15D-13RD     | Super Red      | 14.20                | 107.6/35.90                   | 43.56/42.85          | 623~635             | 1001              | 5360                 | 120.8         |
| BA15D-13AM     | Super Yellow   | 14.20                | 63.64/27.34                   | 25.18/33.43          | 594~600             | 1462              | 4004                 | 116.6         |
| BA15D-13GR     | Ultra Green    | 14.20                | 115.14/28.63                  | 47.97/34.49          | 525~530             | 7468              | 10210                | 179.6         |
| BA15D-13BL     | Ultra Blue     | 14.20                | 24.75/6.756                   | 10.31/8.139          | 462~455             | ≥100000           | 2431                 | 180.0         |
| BA15D-13WH     | Super White    | 14.20                | 113.6/41.47                   | 47.97/50.36          | X:0.304Y:0.318      | 7076              | 6404                 | 144.7         |
| Test Condition |                | Power:2.4/0.83W      |                               | Current:170/59±10%mA |                     |                   |                      |               |

Figure:



(B) Absolute Maximum Ratings AT Ta=25°C

| PARAMETER                                                       | MAX             | UNIT |
|-----------------------------------------------------------------|-----------------|------|
| Continuous Forward Current                                      |                 | mA   |
| Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)        |                 | mA   |
| Reverse Voltage                                                 |                 | V    |
| Operating Temperature Range                                     | -20°C to +50°C  |      |
| Storage Temperature Range                                       | -40°C to +100°C |      |
| Lead Solder Temperature 1.6mm Below Package 260°C For 5 seconds |                 |      |