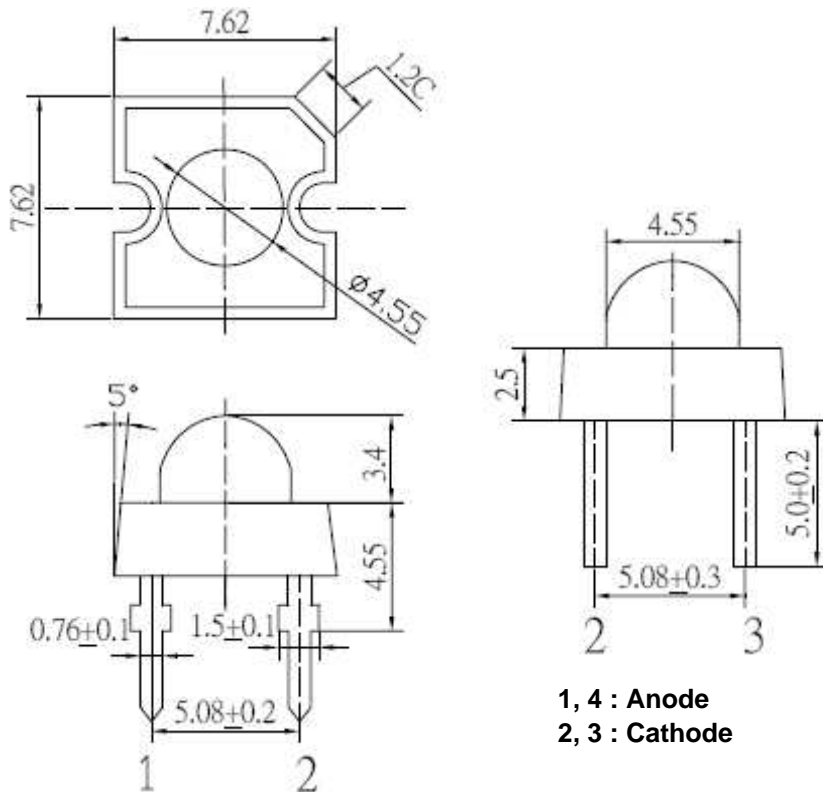




**Applications**

- Electronic Signs and Signals
- Small Area Illuminations
  - Back Lighting
  - Other Lighting

**Technical Drawing**



**Notes :**

All dimensions in mm tolerance is  $\pm 0.1$ mm unless otherwise noted.

|                              |                 |
|------------------------------|-----------------|
| <b>Super Flux<br/>Yellow</b> |                 |
| Part No.:                    | <b>M13G4007</b> |
| Customer:                    |                 |

|       |      |      |       |        |      |       |            |
|-------|------|------|-------|--------|------|-------|------------|
| DRW:  | Dong | CHKD | Chang | MATL:  | Chui | DATE  | 18.11.2010 |
| APPD: | Ping |      |       | FINISH | Hui  | Sheet | 1 from 6   |



**Absolute Maximum Ratings**

| <i>Item</i>            | <i>Symbol</i>     | <i>---</i> | <i>Unit</i> |
|------------------------|-------------------|------------|-------------|
| Power Dissipation      | P <sub>D</sub>    | 130        | mW          |
| DC Forward Current     | I <sub>F</sub>    | 50         | mA          |
| Pulsed Forward Current | I <sub>FP</sub> * | 120        | mA          |
| Reverse Voltage        | V <sub>R</sub>    | 5          | V           |
| Operating Temperature  | T <sub>OP</sub>   | -30 to 85  | °C          |
| Storage Temperature    | T <sub>ST</sub>   | -40 to 100 | °C          |

\* 0.1 msec pulse, 10% duty cycle

**Electrcal / Optical Characteristics**

| <b>Ermitting Color</b>      | Yellow         |           |                |
|-----------------------------|----------------|-----------|----------------|
| <b>Material</b>             | ---            |           |                |
| <b>Forward Voltage</b>      | typ.           | 2.1       | V <sub>F</sub> |
|                             | max.           | 2.6       | V <sub>F</sub> |
| <b>Wavelength typ.</b>      | λ <sub>D</sub> | 585 ~ 595 | nm             |
|                             | λ <sub>P</sub> | ---       | nm             |
|                             | Δλ             | ---       | nm             |
| <b>Color Temperature</b>    | min.           | ---       | K              |
|                             | max.           | ---       | K              |
| <b>Luminous Intensity *</b> | min.           | 10000     | mcd            |
|                             | typ.           | 12000     | mcd            |
| <b>Reverse Current</b>      | max.           | ---       | μA             |
| <b>Viewing Angle</b>        | 2Θ1/2          | 30        |                |

\* Per NIST standards

**Super Flux  
Yellow**

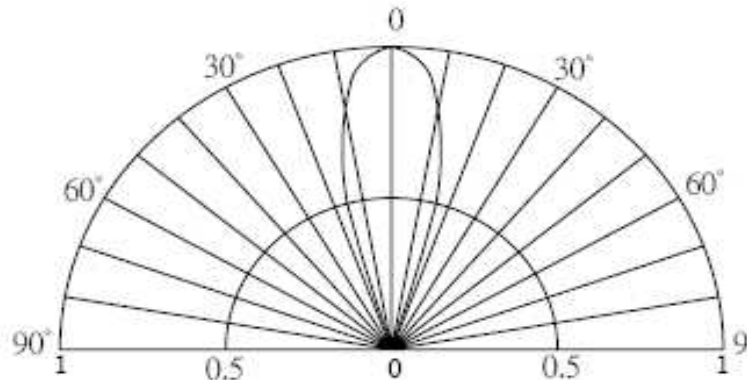
Part No.: **M13G4007**

Customer:

|       |      |      |       |        |      |       |            |
|-------|------|------|-------|--------|------|-------|------------|
| DRW:  | Dong | CHKD | Chang | MATL:  | Chui | DATE  | 22.10.2010 |
| APPD: | Ping |      |       | FINISH | Hui  | Sheet | 2 from 6   |



**Directive Characteristics**



**Super Flux  
Yellow**

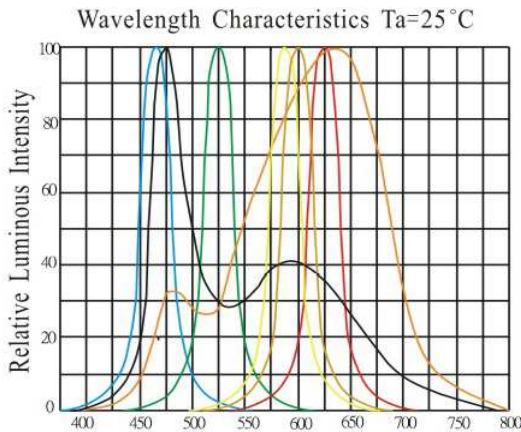
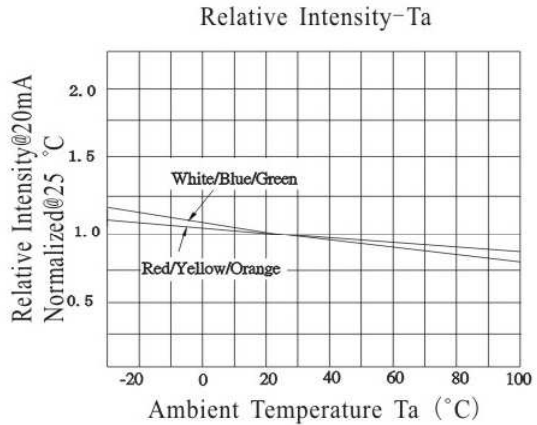
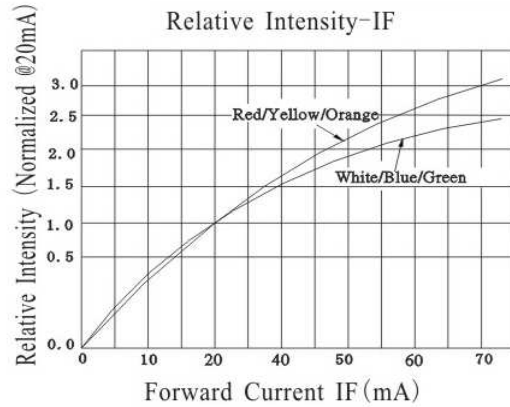
Part No.: **M13G4007**

Customer:

|       |      |      |       |        |      |       |            |
|-------|------|------|-------|--------|------|-------|------------|
| DRW:  | Dong | CHKD | Chang | MATL:  | Chui | DATE  | 18.11.2010 |
| APPD: | Ping |      |       | FINISH | Hui  | Sheet | 3 from 6   |



**Typical Characteristics**



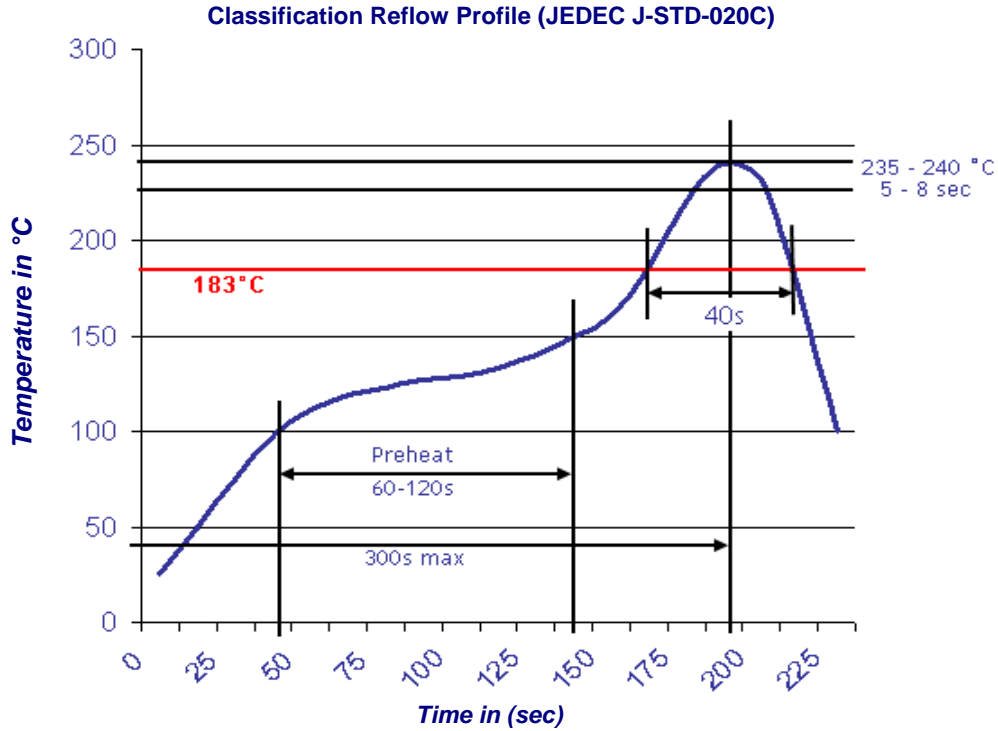
|                              |                 |
|------------------------------|-----------------|
| <b>Super Flux<br/>Yellow</b> |                 |
| Part No.:                    | <b>M13G4007</b> |
| Customer:                    |                 |

|       |      |      |       |        |      |       |            |
|-------|------|------|-------|--------|------|-------|------------|
| DRW:  | Dong | CHKD | Chang | MATL:  | Chui | DATE  | 18.11.2010 |
| APPD: | Ping |      |       | FINISH | Hui  | Sheet | 4 from 6   |



**Solder Condition**

**Lead Free Solder**



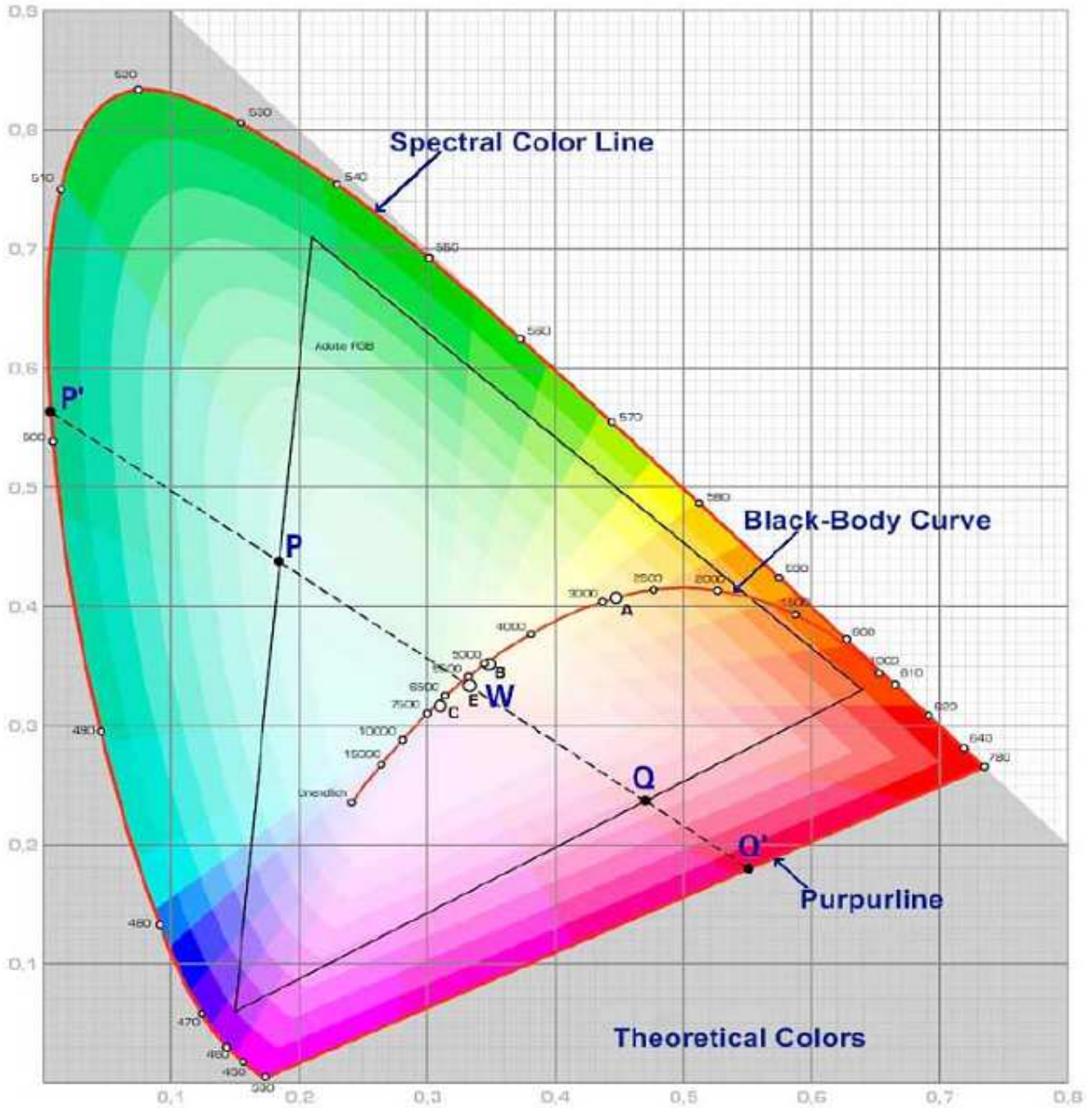
|                              |                 |
|------------------------------|-----------------|
| <b>Super Flux<br/>Yellow</b> |                 |
| Part No.:                    | <b>M13G4007</b> |
| Customer:                    |                 |

|       |      |      |       |        |      |       |            |
|-------|------|------|-------|--------|------|-------|------------|
| DRW:  | Dong | CHKD | Chang | MATL:  | Chui | DATE  | 18.11.2010 |
| APPD: | Ping |      |       | FINISH | Hui  | Sheet | 5 from 6   |





**Color table curve**



|                              |                 |
|------------------------------|-----------------|
| <b>Super Flux<br/>Yellow</b> |                 |
| Part No.:                    | <b>M13G4007</b> |
| Customer:                    |                 |

|       |      |      |       |        |      |       |            |
|-------|------|------|-------|--------|------|-------|------------|
| DRW:  | Dong | CHKD | Chang | MATL:  | Chui | DATE  | 18.11.2010 |
| APPD: | Ping |      |       | FINISH | Hui  | Sheet | 6 from 6   |