

SINGLE COLOR LED

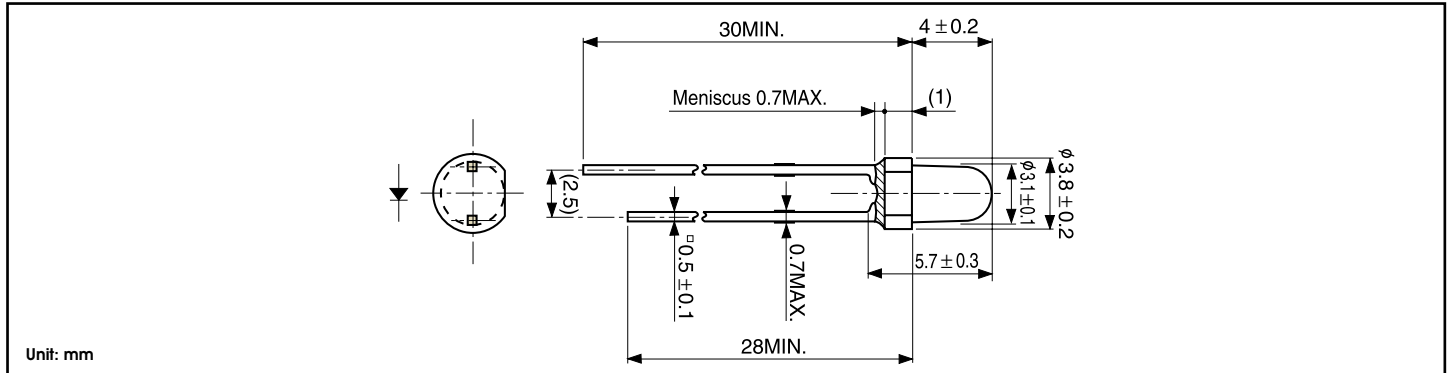
3mm Round Shape



3368S Series

STANDARD COLOR

Outline Dimensions



Absolute Maximum Ratings

(Ta=25°C)

| Item | Symbol | Red | | | Orange | Yellow | Yellow Green | Green | Pure Green | Units |
|-----------------------|------------------|-------------|------|----------|----------|----------|--------------|----------|------------|-------|
| | | EBR/BR | MPR | EMVR/MVR | EMAA/MAA | EMAY/MAY | EMPY/MPY | EMPG/MPG | EMBG/MBG | |
| Power Dissipation | Pd | 100 | 75 | 75 | 70 | 85 | 85 | 70 | 70 | mW |
| Forward Current | I _F | 50 | 30 | 30 | 25 | 30 | 30 | 25 | 25 | mA |
| Peak Forward Current | I _{FM} | 300 | 75 | 75 | 60 | 75 | 75 | 60 | 60 | mA |
| Reverse Voltage | V _R | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | V |
| Operating Temperature | T _{opr} | -30 to +85 | | | | | | | | °C |
| Storage Temperature | T _{stg} | -30 to +100 | | | | | | | | °C |
| Derating (DC)* | I _F | 0.67 | 0.40 | | 0.33 | 0.40 | | 0.33 | | mA/°C |

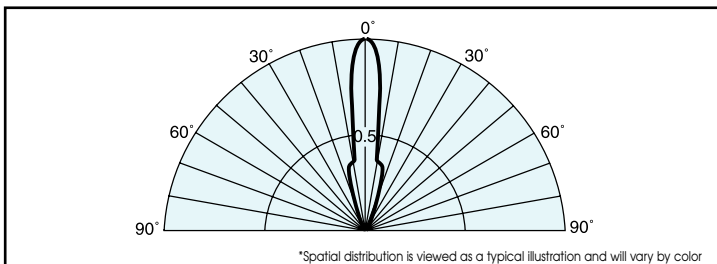
*Ta=25°C, I_{FM} applies for the pulse width 1msec. and duty cycle 1/20
The current derating for operation applies when the temperature is above 25°C

Electro-Optical Characteristics

*The viewing angle is an average and will vary by color (Ta=25°C)

| Part No. | Material | Emitted Color | Lens Color | Luminous Intensity I _v | | | Wavelength | | | | Forward Voltage V _f | | | Reverse Current I _R | | Viewing Angle (2 1/2) |
|---------------|----------|---------------|---------------------|-----------------------------------|--------|----------------|-------------|-----------------------------------|----------------|------|--------------------------------|----------------|------|--------------------------------|---|-----------------------|
| | | | | MIN. | TYP. | I _F | Peak P TYP. | Spectral Line Dominant Half Width | | TYP. | MAX. | I _F | MAX. | V _R | | |
| | | | | | | | | TYP. | I _F | | | | | | | |
| EBR/BR3368S | GaAlAs | Red | Clear Pastel Red | 80/40 | 140/80 | 20 | 660 | 647 | 30 | 20 | 1.7 | 2.0 | 20 | 100 | 4 | 15° |
| MPR3368S | GaP | | | 3 | 6 | 10 | 700 | 635 | 100 | 10 | 2.1 | 2.8 | 10 | 20 | 4 | |
| EMVR/MVR3368S | GaAsP | | | 40/20 | 60/40 | 20 | 630 | 624 | 30 | 20 | 2.0 | 2.8 | 20 | 20 | 4 | |
| EMAA/MAA3368S | GaAsP | Orange | Clear Pastel Orange | 40/20 | 60/40 | 20 | 605 | 606 | 30 | 20 | 2.2 | 2.8 | 20 | 20 | 4 | 20° |
| EMAY/MAY3368S | GaAsP | Yellow | Clear Pastel Yellow | 40/20 | 60/40 | 20 | 580 | 590 | 30 | 20 | 2.2 | 2.8 | 20 | 20 | 4 | |
| EMPY/MPY3368S | GaP | Yellow Green | | 60/30 | 90/60 | 20 | 570 | 572 | 30 | 20 | 2.1 | 2.8 | 20 | 20 | 4 | |
| EMPG/MPG3368S | GaP | Green | 40/20 | 60/40 | 20 | 560 | 567 | 30 | 20 | 2.1 | 2.8 | 20 | 20 | 4 | | |
| EMBG/MBG3368S | GaP | Pure Green | Clear Pastel Green | 20/10 | 30/20 | 20 | 555 | 558 | 30 | 20 | 2.1 | 2.8 | 20 | 20 | 4 | |
| Units | | | | mcd | mA | | nm | | mA | V | mA | μA | V | Deg. | | |

Spatial Distribution (x)



Operation Current Derating Chart

