

| Type | Part Number | Emitting Color | Chip Material | Lens - color | Wave Length (nm) | Luminous Intensity (mcd) @ If = 10mA<br>Min. Max. | View Angle (deg)<br>2θ 1/2 | Package Dimension<br>Tolerance: ±0.25 (0.01)<br>Unit: mm (inch) |
|------|-------------|----------------|---------------|--------------|------------------|---------------------------------------------------|----------------------------|-----------------------------------------------------------------|
|------|-------------|----------------|---------------|--------------|------------------|---------------------------------------------------|----------------------------|-----------------------------------------------------------------|

|           |          |          |           |                    |     |              |    |  |
|-----------|----------|----------|-----------|--------------------|-----|--------------|----|--|
| 5mm/Round | 5R3PD-10 | Red      | Gap       | Red Diffused       | 700 | 1.8 ~ 5.0    | 60 |  |
|           | 5R3HD-10 | High Red | GaAsP/GaP | Red Diffused       | 635 | 18.0 ~ 82.0  | 60 |  |
|           | 5G3HD-10 | Green    | GaP       | Green Diffused     | 568 | 4.0 ~ 30.0   | 60 |  |
|           | 5Y3HD-10 | Yellow   | GaAsP/GaP | Yellow Diffused    | 590 | 4.0 ~ 30.0   | 60 |  |
|           | 5O3HD-10 | Orange   | GaAsP/GaP | Orange Diffused    | 590 | 4.0 ~ 30.0   | 60 |  |
|           | 5R3HC-10 | High Red | GaAsP/GaP | Water Clear        | 635 | 40.0 ~ 185.0 | 30 |  |
|           | 5G3HC-10 | Green    | GaP       | Water Clear        | 568 | 18.5 ~ 82.0  | 30 |  |
|           | 5Y3HC-10 | Yellow   | GaAsP/GaP | Water Clear        | 590 | 18.5 ~ 82.0  | 30 |  |
|           | 5R3HT-10 | High Red | GaAsP/GaP | Red Transparent    | 635 | 40.0 ~ 185.0 | 30 |  |
|           | 5G3HT-10 | Green    | GaP       | Green Transparent  | 568 | 18.5 ~ 82.0  | 30 |  |
|           | 5Y3HT-10 | Yellow   | GaAsP/GaP | Yellow Transparent | 590 | 18.5 ~ 82.0  | 30 |  |
|           | 5R3HW-10 | High Red | GaAsP/GaP | White Diffused     | 635 | 18.0 ~ 82.0  | 30 |  |
|           | 5G3HW-10 | Green    | GaP       | White Diffused     | 568 | 4.0 ~ 30.0   | 30 |  |
|           | 5Y3HW-10 | Yellow   | GaAsP/GaP | White Diffused     | 590 | 4.0 ~ 30.0   | 30 |  |

|           |          |        |           |                 |     |             |    |  |
|-----------|----------|--------|-----------|-----------------|-----|-------------|----|--|
| 5mm/Round | 5R3PD-11 | Red    | GaP       | Red Diffused    | 700 | 1.8 ~ 5.0   | 60 |  |
|           | 5R3HD-11 | Red    | GaAsP/GaP | Red Diffused    | 635 | 18.0 ~ 82.0 | 60 |  |
|           | 5O3HD-11 | Orange | GaAsP/GaP | Orange Diffused | 590 | 4.0 ~ 30.0  | 60 |  |
|           | 5G3HD-11 | Green  | GaP       | Green Diffused  | 568 | 4.0 ~ 30.0  | 60 |  |
|           | 5Y3HD-11 | Yellow | GaAsP/GaP | Yellow Diffused | 590 | 4.0 ~ 30.0  | 60 |  |

|           |          |          |           |                    |     |              |    |  |
|-----------|----------|----------|-----------|--------------------|-----|--------------|----|--|
| 5mm/Round | 5R3PD-12 | Red      | Gap       | Red Diffused       | 700 | 1.8 ~ 5.0    | 60 |  |
|           | 5R3HD-12 | High Red | GaAsP/GaP | Red Diffused       | 635 | 18.0 ~ 82.0  | 60 |  |
|           | 5G3HD-12 | Green    | GaP       | Green Diffused     | 568 | 4.0 ~ 30.0   | 60 |  |
|           | 5Y3HD-12 | Yellow   | GaAsP/GaP | Yellow Diffused    | 590 | 4.0 ~ 30.0   | 60 |  |
|           | 5O3HD-12 | Orange   | GaAsP/GaP | Orange Diffused    | 590 | 4.0 ~ 30.0   | 60 |  |
|           | 5R3HC-12 | High Red | GaAsP/GaP | Water Clear        | 635 | 40.0 ~ 185.0 | 30 |  |
|           | 5G3HC-12 | Green    | GaP       | Water Clear        | 568 | 18.5 ~ 82.0  | 30 |  |
|           | 5Y3HC-12 | Yellow   | GaAsP/GaP | Water Clear        | 590 | 18.5 ~ 82.0  | 30 |  |
|           | 5R3HT-12 | High Red | GaAsP/GaP | Red Transparent    | 635 | 40.0 ~ 185.0 | 30 |  |
|           | 5G3HT-12 | Green    | GaP       | Green Transparent  | 568 | 18.5 ~ 82.0  | 30 |  |
|           | 5Y3HT-12 | Yellow   | GaAsP/GaP | Yellow Transparent | 590 | 18.5 ~ 82.0  | 30 |  |