

# Normal Indicator LEDs

## Step Type LEDs

If=20mA Ta=25°C

| Device No | Color     |              | Wavelength ( nm) |     | VF Typical (V) | Brightness ( mcd) |         | View Angle 2θW | Drawing Figure |      |
|-----------|-----------|--------------|------------------|-----|----------------|-------------------|---------|----------------|----------------|------|
|           | Emitter   | Lens         | λp               | λd  |                | Minimum           | Typical |                |                |      |
| φ 1.8     | HS2-142   | hi-red       | colored diffused | 700 | 658            | 2.20              | 0.5     | 1.0            | 55             | 4-44 |
|           | HS2-145R  | hi-eff red   | colored diffused | 625 | 618            | 2.05              | 6.0     | 10.0           |                |      |
|           | HS2-143   | yellow green | colored diffused | 570 | 567            | 2.15              | 8.0     | 15.0           |                |      |
|           | HS2-144   | yellow       | colored diffused | 589 | 585            | 2.10              | 5.0     | 8.0            |                |      |
|           | HS2-145   | orange       | colored diffused | 625 | 618            | 2.05              | 6.0     | 10.0           |                |      |
| φ 2       | HS2N-132  | hi-red       | colored diffused | 700 | 658            | 2.20              | 0.4     | 0.8            | 125            | 4-45 |
|           | HS2N-135R | hi-eff red   | colored diffused | 625 | 618            | 2.05              | 4.0     | 7.0            |                |      |
|           | HS2N-133  | yellow green | colored diffused | 570 | 567            | 2.15              | 4.0     | 7.0            |                |      |
|           | HS2N-134  | yellow       | colored diffused | 589 | 585            | 2.10              | 3.0     | 6.0            |                |      |
|           | HS2N-135  | orange       | colored diffused | 625 | 618            | 2.05              | 4.0     | 7.0            |                |      |
| φ 2       | HS3-142   | hi-red       | colored diffused | 700 | 658            | 2.20              | 1.0     | 1.9            | 30             | 4-46 |
|           | HS3-145R  | hi-eff red   | colored diffused | 625 | 618            | 2.05              | 6.0     | 11.0           |                |      |
|           | HS3-143   | yellow green | colored diffused | 570 | 567            | 2.15              | 6.0     | 12.0           |                |      |
|           | HS3-144   | yellow       | colored diffused | 589 | 585            | 2.10              | 6.0     | 10.0           |                |      |
|           | HS3-145   | orange       | colored diffused | 625 | 618            | 2.05              | 6.0     | 11.0           |                |      |
| φ 2.5     | HS5-132   | hi-red       | colored diffused | 700 | 658            | 2.20              | 0.8     | 1.2            | 60             | 4-47 |
|           | HS5-135R  | hi-eff red   | colored diffused | 625 | 618            | 2.05              | 7.0     | 12.0           |                |      |
|           | HS5-133   | yellow green | colored diffused | 570 | 567            | 2.15              | 8.0     | 15.0           |                |      |
|           | HS5-134   | yellow       | colored diffused | 589 | 585            | 2.10              | 7.0     | 12.0           |                |      |
|           | HS5-135   | orange       | colored diffused | 625 | 618            | 2.05              | 7.0     | 12.0           |                |      |
|           | HS5-136DR | super red    | colored diffused | 660 | 643            | 1.80              | 30.0    | 50.0           |                |      |

Dimension:

Unit : mm.

