



# DH-S080508

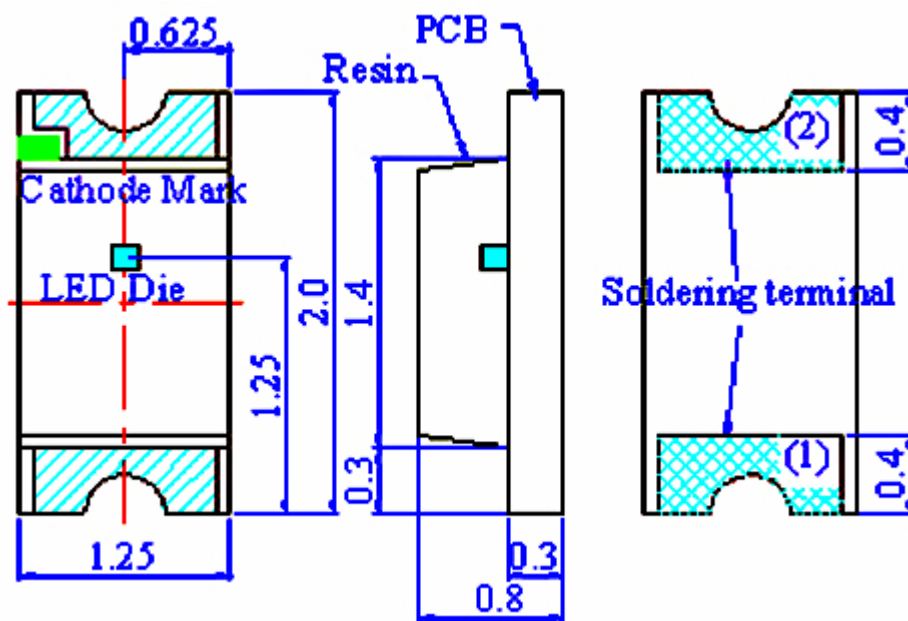


## •FEATURES:

1. Compatible with automatic placement equipment.
2. Compatible with reflow solders process
3. Suitable for all SMT assembly methods

## •APPLICATIONS:

1. Automotive: Dashboards, stop, lamps, turn signals.
2. General use.
3. Back lighting: LCDs, key pads advertising
4. Status indicators: Consumer & Industrial



| Part No.      | Chip     |               |                   |         | Lens Color  | Vf (v) |     | Iv (mcd)<br>IF=20 mA |      | Viewing Angle<br>2θ1/2 |
|---------------|----------|---------------|-------------------|---------|-------------|--------|-----|----------------------|------|------------------------|
|               | Material | Emitted color |                   | λp (nm) |             | Typ    | Max | Min                  | Typ  |                        |
| DH-S080508HR  | AlGaAs   |               | High Red          | 660     | Water Clear | 1.9    | 2.3 | 18                   | 28.5 | 130                    |
| DH-S080508SR  | AlGaAs   |               | Super Red         | 660     | Water Clear | 1.9    | 2.3 | 9.0                  | 14.5 | 130                    |
| DH-S080508SD  | GaAsP    |               | Super Orange      | 630     | Water Clear | 2.2    | 2.6 | 3.6                  | 7.2  | 130                    |
| DH-S080508SO  | GaAsP    |               | Amber             | 610     | Water Clear | 2.2    | 2.6 | 3.6                  | 7.2  | 130                    |
| DH-S080508Y   | GaAsP    |               | Yellow            | 585     | Water Clear | 2.2    | 2.6 | 2.2                  | 5.1  | 130                    |
| DH-S080508YG  | GaP      |               | Yellow Green      | 568     | Water Clear | 2.3    | 2.6 | 5.1                  | 9.0  | 130                    |
| DH-S080508PG  | GaP      |               | Pure Green        | 555     | Water Clear | 2.3    | 2.6 | 2.2                  | 5.1  | 130                    |
| DH-S080508UHR | AlGaInP  |               | Ultra High Red    | 645     | Water Clear | 2.1    | 2.6 | 45                   | 72   | 130                    |
| DH-S080508USD | AlGaInP  |               | Ultra High Orange | 630     | Water Clear | 2.1    | 2.6 | 45                   | 72   | 130                    |
| DH-S080508USO | AlGaInP  |               | Ultra High Amber  | 610     | Water Clear | 2.1    | 2.6 | 57                   | 90   | 130                    |



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| Part No.         | Chip     |               |                    |         | Lens Color  | Vf (v) |     | Iv (mcd)<br>IF=20 mA |     | Viewing Angle<br>2θ1/2<br>λp (nm) |
|------------------|----------|---------------|--------------------|---------|-------------|--------|-----|----------------------|-----|-----------------------------------|
|                  | Material | Emitted color |                    | λp (nm) |             | Typ    | Max | Min                  | Typ |                                   |
| DH-S080508UY     | AlGaInP  |               | Ultra High Yellow  | 595     | Water Clear | 2.1    | 2.6 | 45                   | 72  | 130                               |
| DH-S080508UYG    | AlGaInP  |               | Ultra Yellow Green | 570     | Water Clear | 2.2    | 2.6 | 28.5                 | 45  | 130                               |
| DH-S080508UPG    | AlGaInP  |               | Ultra Pure Green   | 555     | Water Clear | 2.1    | 2.6 | 11.5                 | 18  | 130                               |
| DH-S080508DLG    | InGaN    |               | Green              | 525     | Water Clear | 3.3    | 3.5 | 145                  | 285 | 130                               |
| DH-S080508DLG-5M | InGaN    |               | Green              | 525     | Water Clear | 2.9    | 3.1 | IF=5mA<br>45 -- 72   |     | 130                               |
| DH-S080508SB     | InGaN    |               | Blue               | 470     | Water Clear | 3.3    | 3.5 | 36                   | 57  | 130                               |
| DH-S080508SB-5M  | InGaN    |               | Blue               | 470     | Water Clear | 2.9    | 3.1 | IF=5mA<br>14.5 22.5  |     | 130                               |
| DH-S080508SW     | InGaN    |               | White              | /       | Water Clear | 3.3    | 3.5 | 225                  | 360 | 130                               |
| DH-S080508SW-5M  | InGaN    |               | White              | /       | Water Clear | 2.9    | 3.1 | IF=5mA<br>90 145     |     | 130                               |