

| Fig. | Description                                     | Color    | Lens         | Peak Length | Forward Voltage | Forward Current | Luminous Intensity |      | Viewing Angle | Digi-Key Part No. | Bulk Pricing |       |       | Tape and Reel |           | Avago Part No.  |
|------|---|----------|--------------|-------------|-----------------|-----------------|--------------------|------|---------------|-------------------|--------------|-------|-------|---------------|-----------|-----------------|
|      |   |          |              |             |                 |                 | mcd @ Current      |      |               |                   | 1            | 10    | 100   | Qty.          | Pricing   |                 |
| 4    | 3mm   | HE Red   | Tint         | 635nm       | 1.9V            | 30mA            | 30                 | 10mA | 45°           | 516-1294-ND       | .35          | 2.63  | 18.84 | —             | —         | HLMP-1321       |
|      | 3mm   | HE Red   | Water Clear  | 635nm       | 1.9V            | 30mA            | 55                 | 20mA | 45°           | 516-1299-ND       | .46          | 3.50  | 25.11 | —             | —         | HLMP-1340       |
|      | 3mm   | Red      | Diffused     | 635nm       | 1.7V            | 2mA             | 0.8                | 2mA  | 50°           | 516-1791-1-NDϕ    | .51          | 3.82  | 29.99 | 1,800         | 145.40/M  | HLMP-1700-B0002 |
|      | 3mm   | HE Red   | Diffused     | 635nm       | 5.0V            | 20mA            | 8                  | 10mA | 60°           | 516-1302-ND       | .56          | 4.34  | 37.17 | —             | —         | HLMP-1600       |
|      | 3mm   | HE Red   | Diffused     | 635nm       | 12.0V           | 20mA            | 8                  | 13mA | 60°           | 516-1303-ND       | .56          | 4.34  | 37.17 | —             | —         | HLMP-1601       |
|      | 3mm   | Red      | Diffused     | 645nm       | 1.6V            | 30mA            | 2                  | 1mA  | 60°           | 516-1311-ND       | .46          | 3.47  | 27.26 | —             | —         | HLMP-K150       |
|      | 3mm   | Red      | Water Clear  | 645nm       | 1.6V            | 30mA            | 3                  | 1mA  | 45°           | 516-1312-ND       | .55          | 4.16  | 32.71 | —             | —         | HLMP-K155       |
|      | 3mm   | Red      | Water Clear  | 645nm       | 1.8V            | 30mA            | 65                 | 20mA | 45°           | 516-1314-ND       | .46          | 3.50  | 25.11 | —             | —         | HLMP-K105       |
| 5    | 3mm   | Green    | Diffused     | 565nm       | 1.9V            | 7mA             | 2.3                | 2mA  | 50°           | 516-1759-ND       | .74          | 5.78  | 49.57 | —             | —         | HLMP-1790-A00A2 |
|      | 3mm   | Green    | Diffused     | 565nm       | 1.9V            | 7mA             | 2.3                | 2mA  | 50°           | 516-1758-ND       | .74          | 5.78  | 49.57 | —             | —         | HLMP-1790-A00A1 |
|      | 3mm   | Green    | Diffused     | 565nm       | 2.1V            | 30mA            | 2.6 min.           | 10mA | 60°           | 516-1753-ND       | .59          | 4.63  | 39.65 | —             | —         | HLMP-1503-C00A1 |
|      | 3mm   | Green    | Diffused     | 565nm       | 2.1V            | 30mA            | 2.6 min.           | 10mA | 60°           | 516-1754-ND       | .59          | 4.63  | 39.65 | —             | —         | HLMP-1503-C00A2 |
|      | 3mm   | Green    | Diffused     | 565nm       | 5.0V            | 15mA            | 1.6 min.           | 10mA | 60°           | 516-1756-ND       | .83          | 7.02  | 59.89 | —             | —         | HLMP-1640-B00A1 |
|      | 3mm   | Yellow   | Diffused     | 583nm       | 1.8V            | 7mA             | 2.1                | 2mA  | 50°           | 516-1895-ND       | .74          | 5.78  | 49.57 | —             | —         | HLMP-1719-A00A2 |
|      | 3mm   | Yellow   | Diffused     | 583nm       | 2.0V            | 20mA            | 3.6 min.           | 10mA | 60°           | 516-1752-ND       | .59          | 4.63  | 39.65 | —             | —         | HLMP-1401-D00A1 |
|      | 3mm   | HE Red   | Diffused     | 635nm       | 1.7V            | 7mA             | 2.1                | 2mA  | 50°           | 516-1757-ND       | .74          | 5.78  | 49.57 | —             | —         | HLMP-1700-B00A2 |
|      | 3mm   | HE Red   | Diffused     | 635nm       | 1.9V            | 30mA            | 3.4 min.           | 10mA | 60°           | 516-1751-ND       | .59          | 4.63  | 39.65 | —             | —         | HLMP-1301-E00A1 |
|      | 3mm   | HE Red   | Diffused     | 635nm       | 1.9V            | 30mA            | 3.4 min.           | 10mA | 60°           | 516-1894-ND       | .59          | 4.63  | 39.65 | —             | —         | HLMP-1301-E00A2 |
| 6    | 3mm   | Amber    | Tint         | 592nm       | 2.02V           | 30mA            | 96.2 min.          | 20mA | 60°           | 516-1769-ND       | .46          | 3.50  | 25.11 | —             | —         | HLMP-NL06       |
| 7    | 5mm   | HE Red   | Diffused     | 635nm       | 1.9V            | 10mA            | 7                  | 10mA | 50°           | 516-1315-ND       | .55          | 4.16  | 32.71 | —             | —         | HLMP-3351       |
| 8    | 5mm   | Green    | Diffused     | 565nm       | 1.9V            | 7mA             | 2.3                | 2mA  | 50°           | 516-1327-ND       | .46          | 3.47  | 27.26 | —             | —         | HLMP-4740       |
|      | 5mm   | Green    | Tint         | 565nm       | 2.1V            | 30mA            | 70                 | 10mA | 24°           | 516-1337-ND       | .35          | 2.63  | 18.84 | —             | —         | HLMP-3519       |
|      | 5mm   | Green    | Diffused     | 565nm       | 2.1V            | 30mA            | 4.2 min.           | 10mA | 60°           | 516-1765-1-NDϕ    | .51          | 3.82  | 29.99 | 1,300         | 190.84/M  | HLMP-3507-D0002 |
|      | 5mm   | Green    | Diffused     | 565nm       | 2.1V            | 30mA            | 5.2                | 10mA | 60°           | 516-1333-ND       | .35          | 2.63  | 18.84 | —             | —         | HLMP-3507       |
|      | 5mm   | Green    | Diffused     | 565nm       | 2.1V            | 30mA            | 14                 | 10mA | 60°           | 516-1334-ND       | .55          | 4.16  | 32.71 | —             | —         | HLMP-3962       |
|      | 5mm   | HE Red   | Diffused     | 635nm       | 1.9V            | 30mA            | 7                  | 10mA | 60°           | 516-1328-ND       | .35          | 2.63  | 18.84 | —             | —         | HLMP-3301       |
|      | 5mm   | HE Red   | Diffused     | 635nm       | 1.9V            | 30mA            | 2.1 min.           | 10mA | 60°           | 516-1760-ND       | .40          | 3.06  | 21.97 | —             | —         | HLMP-3301-D0000 |
|      | 5mm   | HE Red   | Diffused     | 635nm       | 1.9V            | 30mA            | 12                 | 10mA | 60°           | 516-1329-ND       | .55          | 4.16  | 32.71 | —             | —         | HLMP-3762       |
|      | 5mm   | HE Red   | Diffused     | 635nm       | 1.7V            | 7mA             | 2.3                | 2mA  | 50°           | 516-1325-ND       | .46          | 3.47  | 27.26 | —             | —         | HLMP-4700       |
|      | 5mm   | Red      | Diffused     | 645nm       | 1.6V            | 30mA            | 3                  | 1mA  | 65°           | 516-1323-ND       | .46          | 3.47  | 27.26 | —             | —         | HLMP-D150       |
| 5mm  | Red   | Diffused | 645nm        | 1.8V        | 30mA            | 70              | 20mA               | 65°  | 516-1324-ND   | .46               | 3.50         | 25.11 | —     | —             | HLMP-D101 |                 |
| 9    | 5mm   | Green    | Diffused     | 565nm       | 1.9V            | 7mA             | 2.3                | 2mA  | 50°           | 516-1767-ND       | .74          | 5.78  | 49.57 | —             | —         | HLMP-4740-A00B2 |
|      | 5mm   | Green    | Diffused     | 565nm       | 2.1V            | 30mA            | 4.2 min.           | 10mA | 60°           | 516-1766-ND       | .74          | 5.78  | 49.57 | —             | —         | HLMP-3507-D00B2 |
|      | 5mm   | Yellow   | Diffused     | 583nm       | 2.0V            | 20mA            | 5.7 min.           | 10mA | 60°           | 516-1764-ND       | .59          | 4.63  | 39.65 | —             | —         | HLMP-3401-E00B2 |
|      | 5mm   | HE Red   | Diffused     | 635nm       | 1.9V            | 30mA            | 2.1 min.           | 10mA | 60°           | 516-1761-ND       | .59          | 4.63  | 39.65 | —             | —         | HLMP-3301-D00B2 |
|      | 5mm   | HE Red   | Diffused     | 635nm       | 1.9V            | 30mA            | 5.4 min.           | 10mA | 60°           | 516-1762-ND       | .59          | 4.63  | 39.65 | —             | —         | HLMP-3301-F00B2 |
|      | 5mm   | Red      | Diffused     | 645nm       | 1.6V            | 30mA            | 3                  | 1mA  | 65°           | 516-1768-ND       | .74          | 5.78  | 49.57 | —             | —         | HLMP-D150-C00B2 |
| 10   | 5mm   | Green    | Water Clear  | 565nm       | 2.2V            | 30mA            | 265                | 20mA | 24°           | 516-1347-ND       | .55          | 4.16  | 32.71 | —             | —         | HLMP-3950       |
|      | 5mm   | HE Red   | Water Clear  | 635nm       | 1.9V            | 30mA            | 125                | 20mA | 24°           | 516-1345-ND       | .55          | 4.16  | 32.71 | —             | —         | HLMP-3750       |
|      | 5mm   | HE Red   | Diffused     | 635nm       | 5.0V            | 20mA            | 8                  | 10mA | 60°           | 516-1339-ND       | .56          | 4.34  | 37.17 | —             | —         | HLMP-3600       |
|      | 5mm   | HE Red   | Diffused     | 635nm       | 12.0V           | 20mA            | 8                  | 13mA | 60°           | 516-1340-ND       | .56          | 4.34  | 37.17 | —             | —         | HLMP-3601       |
|      | 5mm   | Red      | Water Clear  | 645nm       | 1.6V            | 30mA            | 10                 | 1mA  | 24°           | 516-1338-ND       | .55          | 4.16  | 32.71 | —             | —         | HLMP-D155       |
|      | 5mm   | Red      | Water Clear  | 645nm       | 1.8V            | 30mA            | 10                 | 1mA  | 65°           | 516-1324-ND       | .46          | 3.50  | 25.11 | —             | —         | HLMP-D101       |
| 11   | 5mm   | Green    | Tint         | 568nm       | 2.2V            | 30mA            | 170                | 20mA | 25°           | 516-1355-ND       | .55          | 4.16  | 32.71 | —             | —         | HLMP-C523       |
|      | 5mm   | Yellow   | Tint         | 583nm       | 2.1V            | 20mA            | 300                | 20mA | 15°           | 516-1352-ND       | .55          | 4.16  | 32.71 | —             | —         | HLMP-C315       |
|      | 5mm   | Yellow   | Tint         | 583nm       | 2.1V            | 20mA            | 170                | 20mA | 25°           | 516-1353-ND       | .55          | 4.16  | 32.71 | —             | —         | HLMP-C323       |
|      | 5mm   | Amber    | Non-diffused | 590nm       | 2.02V           | 50mA            | 4,200 min.         | 20mA | 15°           | 516-1779-1-NDϕ§   | .56          | 4.34  | 37.17 | 2,000         | 173.48/M  | HLMP-EL15-VY0DD |
|      | 5mm   | Amber    | Water Clear  | 592nm       | 2.02V           | 50mA            | 840                | 20mA | 30°           | 516-1382-ND       | .55          | 4.16  | 32.71 | —             | —         | HLMP-EL30-LP000 |
|      | 5mm   | Amber    | Water Clear  | 594nm       | 2.15V           | 50mA            | 3,700              | 20mA | 23°           | 516-1370-ND       | .56          | 4.92  | 37.92 | —             | —         | HLMP-EL25-SV000 |
|      | 5mm   | Red      | Water Clear  | 635nm       | 1.9V            | 50mA            | 21,000             | 20mA | 6°            | 516-1376-ND       | .60          | 4.51  | 35.44 | —             | —         | HLMP-EG08-X1000 |
|      | 5mm   | Red      | Water Clear  | 635nm       | 1.9V            | 50mA            | 27,000             | 20mA | 6°            | 516-1377-ND       | .64          | 4.86  | 38.17 | —             | —         | HLMP-EG08-Y2000 |
| 12   | 5mm   | Red      | Water Clear  | 635nm       | 1.9V            | 50mA            | 1,395              | 20mA | 30°           | 516-1381-ND       | .55          | 4.16  | 32.71 | —             | —         | HLMP-EG30-NR000 |
|      | 5mm   | Red      | Water Clear  | 639nm       | 2.0V            | 50mA            | 3,700              | 20mA | 30°           | 516-1372-ND       | .64          | 4.92  | 42.13 | —             | —         | HLMP-ED31-SV000 |
|      | 5mm   | Red      | Tint         | 645nm       | 1.8V            | 30mA            | 600                | 20mA | 15°           | 516-1348-ND       | .55          | 4.16  | 32.71 | —             | —         | HLMP-C115       |
|      | 5mm   | Red      | Water Clear  | 639nm       | 2.0V            | 50mA            | 3,700              | 20mA | 30°           | 516-1390-ND       | .64          | 4.92  | 42.13 | —             | —         | HLMP-ED33-SV000 |
| 13   | 5mm   | HE Red   | Water Clear  | 650nm       | 1.8V            | 30mA            | 1,000              | 20mA | 8°            | 516-1393-ND       | .55          | 4.16  | 32.71 | —             | —         | HLMP-4101       |
| 14   | Mounting Clip and Ring, for T-1 3/4 (5mm) Lamps |          |              |             |                 |                 |                    |      |               | 516-1394-ND       | —            | 2.77  | 18.17 | —             | —         | HLMP-0103       |
| 15   | LED Housing, Right Angle Snap-In                |          |              |             |                 |                 |                    |      |               | 516-1395-ND       | —            | 3.12  | 24.54 | —             | —         | HLMP-5029       |

∅ Cut Tape ▲ Tube † For Tape and Reel Part number, change 1-ND to 2-ND. § For Tape and Box Part number, change 1-ND to 3-ND. ‡ Lumens (lm)

(Continued)

**Digi-Reel<sup>®</sup>** Most SMT cutdown parts are available on a Digi-Reel<sup>®</sup>. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key<sup>®</sup> Services on page 2 for additional information.



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