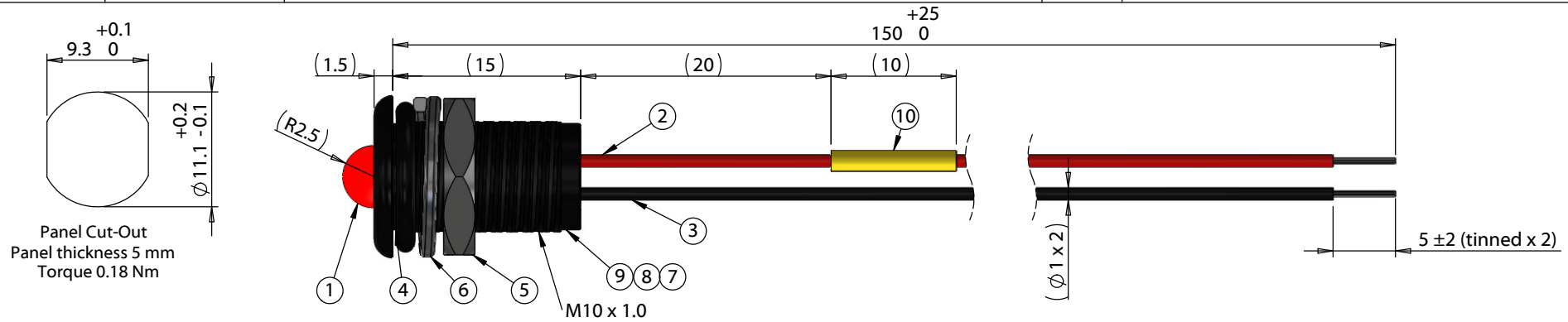
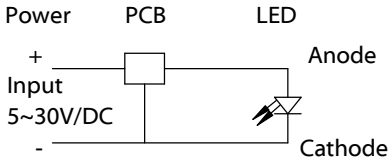
| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. | COMPONENT NOTES |
|---|---|---|---|---|
| 1 | 57-00011 | LED, Ø5x8.6 mm, red, InGaP, 2.0 V, 50°, 65 mcd | 1 | |
| 2 | 30-01772 | Wire, hook-up, TS, 26 AWG, UL 11028, 600V, 105C, 1 mm, mPPE, red | 1 | |
| 3 | 30-01773 | Wire, hook-up, TS, 26 AWG, UL 11028, 600V, 105C, 1 mm, mPPE, black | 1 | |
| 4 | 56-00043 | O-ring, Ø9 ID x Ø12 OD x 1.5mm, rubber, black | 1 | |
| 5 | 56-00041 | Hardware, hex nut, 13x2.5 mm, M10x1.0, nickel plated | 1 | |
| 6 | 56-00042 | Hardware, washer, lock, 12x10.5x1 mm, SUS, nickel plated | 1 | |
| 7 | PCB | 6.5x3.5x0.6 mm | 1 | |
| 8 | IC | Regulator, HM7530HMR SOT23-3, 5 - 30 V | 1 | |
| 9 | 24-00448 | Overmold, LED, 13x15 mm, IP68 | 1 | Nylon, black |
| 10 | 32-00054 | Heat shrink, 1.4 mm ID, 1 mm OD, 2:1 ratio, 125 °C, UL VW-1, thin wall, yellow | 1 | Yellow heat shrink indicates regulated voltage |




| LED Properties @ 25 °C, 20 mA (IF) | | | |
|---|---|---|---|
| | Min. | Typ. | Max. |
| Forward voltage (VF) | 1.8 V | 2.0 V | 2.4 V |
| Reverse current (IR) | - | - | 5 µA |
| Luminous intensity (IV) | 30 mcd | 65 mcd | 100 mcd |
| Viewing angle (2θ1/2) | - | 50° | - |
| Forward current (IF) | - | - | 20 mA |
| Peak forward current (IFP) | - | - | 100 mA |
| Peak wavelength (λP) | 620 nm | - | 630 nm |
| Operating temp | -40~80 °C | | |




| Wiring Diagram | |
|---|---|
| 57-00011 | wire color |
| + | red |
| - | black |

| Revision: | Date: | Description: |
|---|---|---|
| A | 04/09/2025 | Initial release |
| A1 | 09/18/2025 | Added heat shrink |
| | | |
| | | |
| | | |

Prepared: KW Digitally signed by KW Date: 2025.10.21 10:01:37 -07'00'

Verified: KM Digitally signed by KM Date: 2025.10.21 11:12:17 -07'00'

Dimensions are in millimeters.
Tolerances:
X: ± 0.5 mm
X.X: ± 0.3 mm
X.XX: ± 0.05 mm

Notes:
Packaged bulk in static-shielded bag

RoHS compliant

Function test: no open, no short circuit, no intermittent

Description:
Cable, 150 mm, red LED 57-00011 to 5 mm tinned, 5-30 V, panel mount, 26 AWG, UL11028, IP68


TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com


Size: A
Part number: 12-00023
Scale: 2:1
Sheet 1 of 1

To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com

5 4 3 2 1