


MODEL: PJ-099H-LED | **DESCRIPTION:** DC POWER JACK

FEATURES

- 1.65 mm center pin
- 5.0 A rating
- shielded
- vertical orientation
- LED


SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---------------------------------|--|-----|-------|----------|----------|
| rated input voltage | | | 24 | | Vdc |
| rated input current | | | | 5.0 | A |
| contact resistance ¹ | between terminal and mating plug between terminal in a closed circuit | | | 50 30 | mΩ mΩ |
| insulation resistance | at 500 Vdc between adjacent contacts | 100 | | | MΩ |
| voltage withstand | for 1 minute, 0.5 mA between adjacent contacts | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 3 | kg |
| operating temperature | | -25 | | 85 | °C |
| life | at a rate of 24 cycles/minute | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

Note: 1. When measured at a current of less than 100 mA/1 kHz
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for max 5 seconds | | | 300 | °C |

LED ABSOLUTE MAXIMUM RATINGS (TA=25°C)

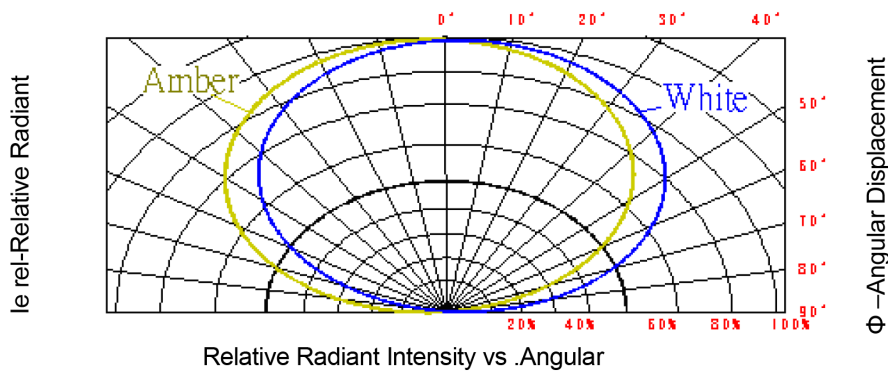
| parameter | conditions/description | min | typ | max | units |
|---|------------------------|-----|-----|-----|-------|
| power dissipation (PD) | amber | | | 52 | mW |
| | white | | | 74 | mW |
| DC forward current (IF) | amber | | | 20 | mA |
| | white | | | 20 | mA |
| pulsed forward current (IFP) ³ | amber | | | 90 | mA |
| | white | | | 90 | mA |
| reverse voltage (VR) | amber | | | 5 | V |
| | white | | | 5 | V |

Note: 3. Duty cycle 1/10, pulse width 0.1 ms.

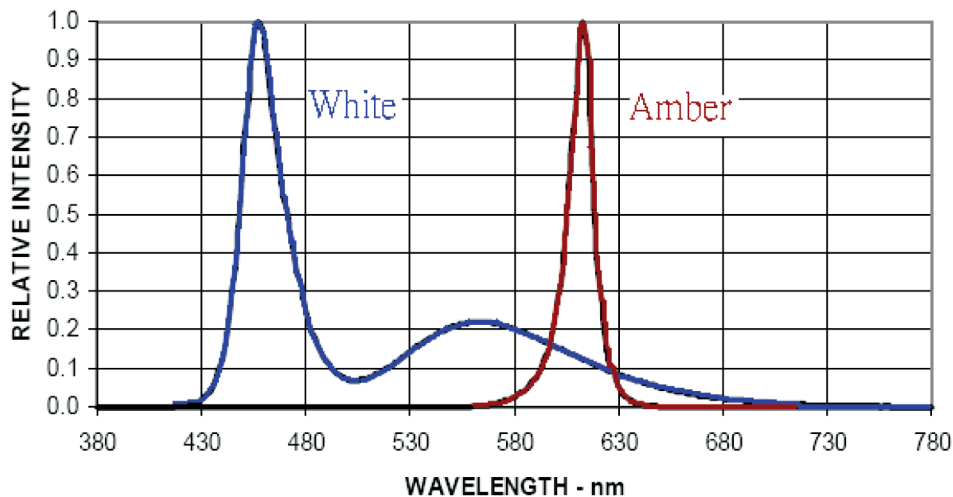
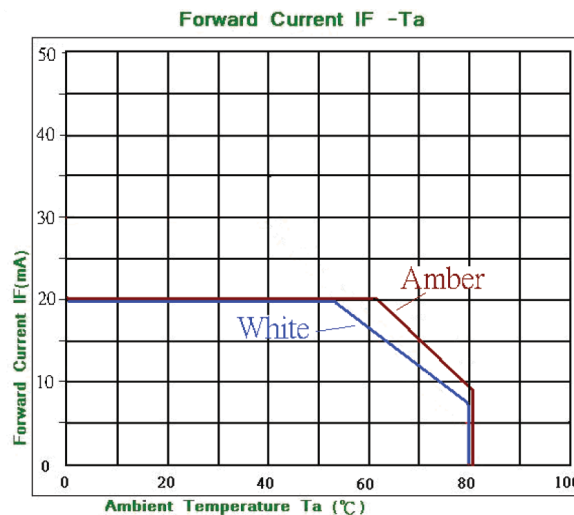
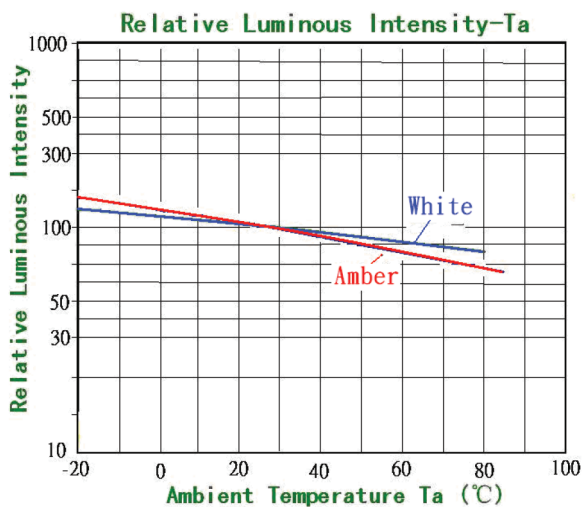
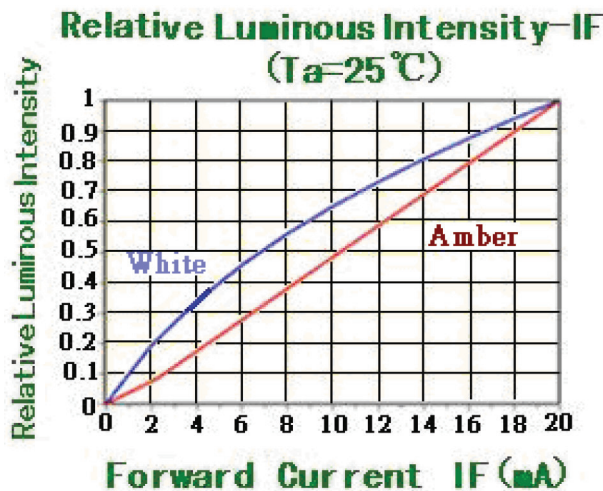
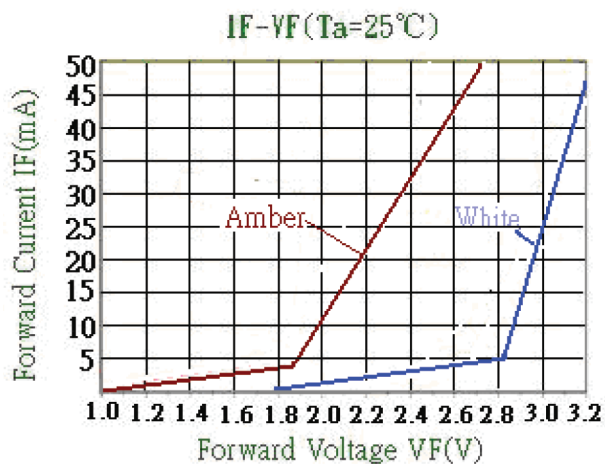
LED ELECTRO-OPTICAL CHARACTERISTICS (TA=25°C)

| parameter | conditions/description | min | typ | max | units |
|-------------------------|------------------------|-------|------|-------|-------|
| forward voltage (Vf) | at If=20 mA | amber | 2.0 | 2.6 | V |
| | white | 2.8 | 3.3 | 3.7 | V |
| luminous intensity (Iv) | at If=20 mA | amber | 520 | 192.4 | mcd |
| | white | 37.6 | 1150 | | mcd |
| wavelength (λd) | at If=20 mA | amber | | 612 | nm |
| | white | X | 0.28 | | |
| | Y | | 0.26 | | |
| reverse current (Ir) | at Vr=5 V | | | 10 | µA |
| viewing angle (2θ1/2) | at If=20 mA | | 130 | | deg |

Note: 4. Luminous intensity ±10%; forward voltage ±0.1 V; wavelength ±0.5 nm, (X,Y) ±0.01 is standard testing.

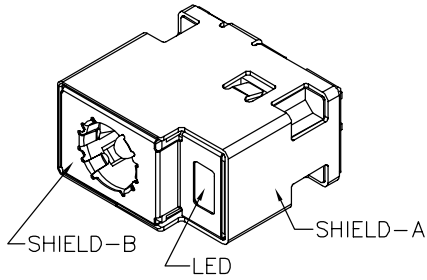


LED CHARACTERISTIC CURVES

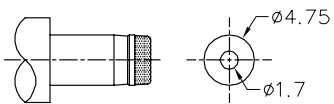
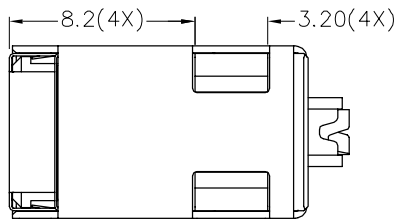
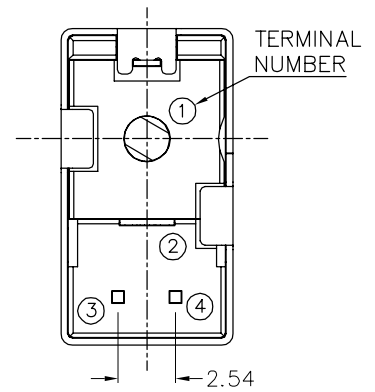
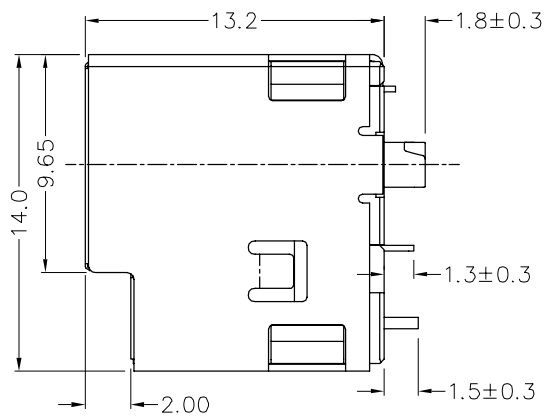
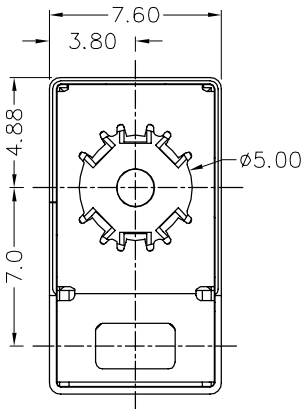


MECHANICAL DRAWING

units: mm
 tolerance:
 X.X ±0.2 mm
 X.XX ±0.10 mm
 X.XXX ±0.050 mm

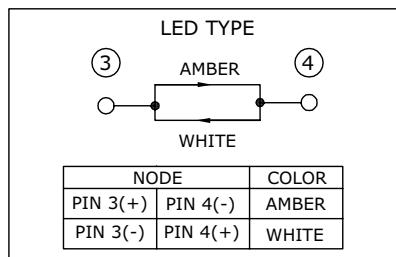


| | MATERIAL | PLATING |
|------------|-----------------|------------|
| center pin | copper | gold flash |
| terminal 1 | copper | gold flash |
| terminal 2 | copper alloy | gold flash |
| terminal 3 | iron alloy | silver |
| terminal 4 | iron alloy | silver |
| shield-A | brass | nickel |
| shield-B | stainless steel | |
| insulator | PA66 | |



MATING PLUG
 Jack Insertion Depth: 8.4 mm

| | |
|------------|-------------|
| SCHMATIC | |
| Model | PJ-099H-LED |
| Center Pin | Ø1.65 mm |



REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 12/17/2018 |

The revision history provided is for informational purposes only and is believed to be accurate.



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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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