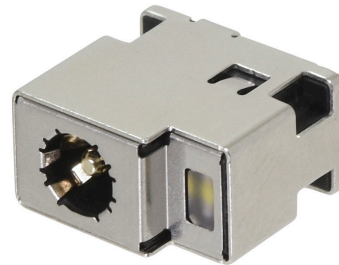


MODEL: PJ-099H-LED | **DESCRIPTION:** DC POWER JACK

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			50	mΩ
	between terminal in a closed circuit			30	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)

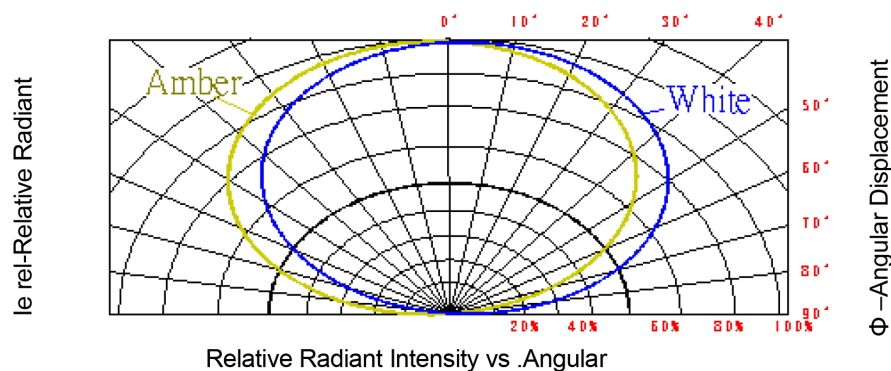
parameter	conditions/description	min	typ	max	units
power dissipation (PD)	amber			52	mW
	white			74	mW
DC forward current (IF)	amber			20	mA
	white			20	mA
pulsed forward current (IFP) ³	amber			90	mA
	white			90	mA
reverse voltage (VR)	amber			5	V
	white			5	V

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

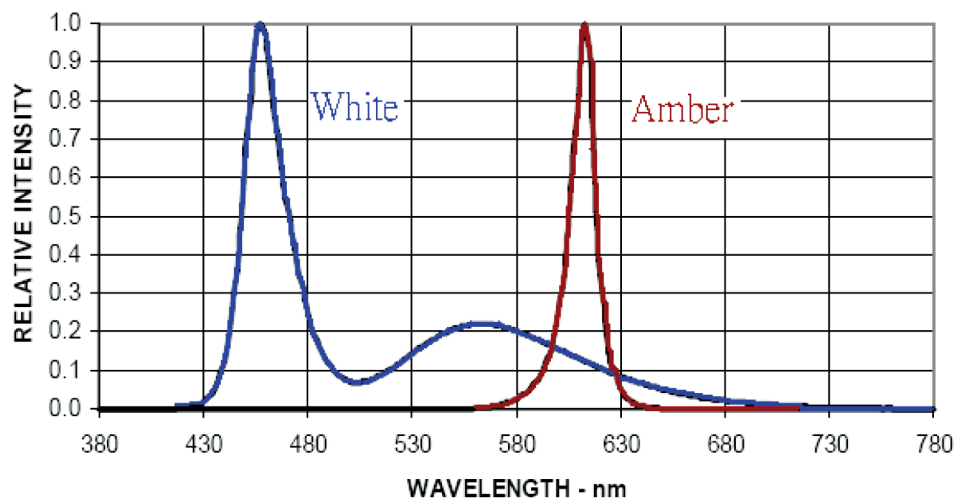
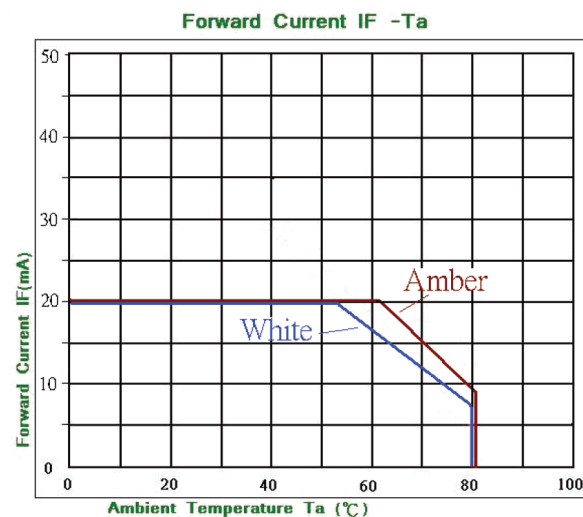
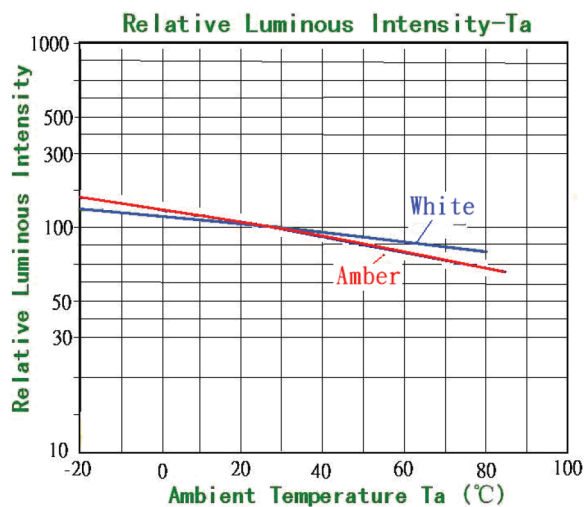
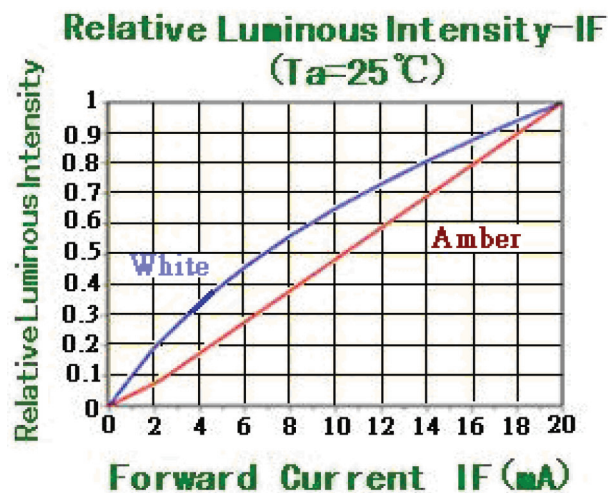
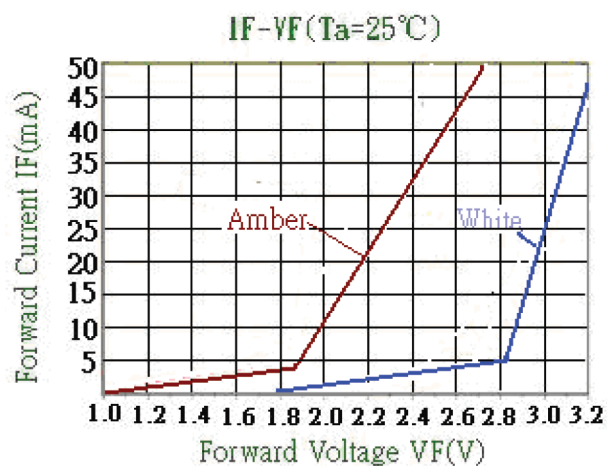
LED ELECTRO-OPTICAL CHARACTERISTICS (TA=25°C)

parameter	conditions/description	min	typ	max	units
forward voltage (Vf)	at If=20 mA	1.7	2.0	2.6	V
	amber	2.8	3.3	3.7	V
luminous intensity (Iv)	at If=20 mA	37.6	520	192.4	mcd
	white	100		1150	mcd
wavelength (λd)	at If=20 mA	600		612	nm
	amber				
reverse current (Ir)	at Vr=5 V			10	μA
	white				
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.

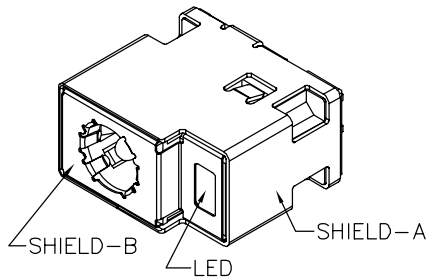


LED CHARACTERISTIC CURVES

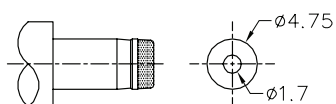
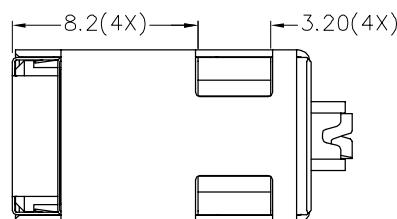
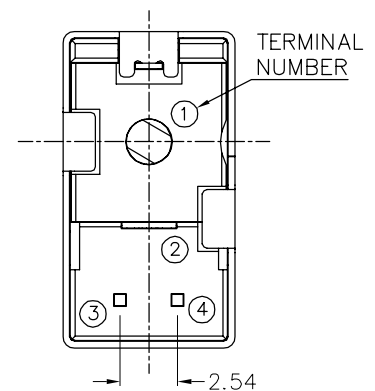
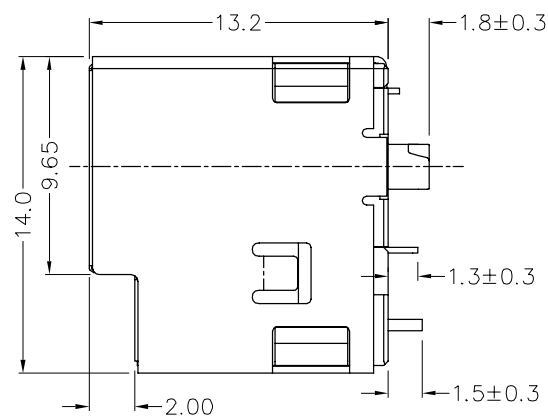
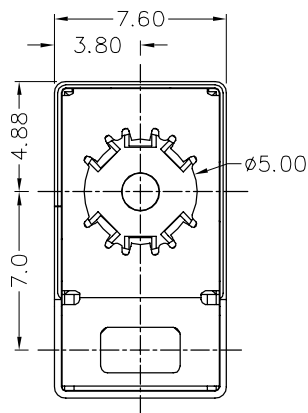


MECHANICAL DRAWING

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

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

LED TYPE							
③	④						
AMBER							
WHITE							
<table> <tr> <th>NODE</th><th>COLOR</th></tr> <tr> <td>PIN 3(+)</td><td>PIN 4(-)</td></tr> <tr> <td>PIN 3(-)</td><td>PIN 4(+)</td></tr> </table>	NODE	COLOR	PIN 3(+)	PIN 4(-)	PIN 3(-)	PIN 4(+)	
NODE	COLOR						
PIN 3(+)	PIN 4(-)						
PIN 3(-)	PIN 4(+)						

REVISION HISTORY

rev.	description	date
1.0	initial release	12/17/2018
1.01	brand update	10/25/2019

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

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