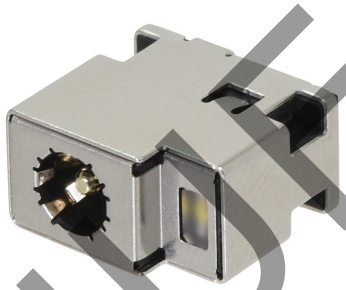
MODEL: PJ-099H-LED | DESCRIPTION: DC POWER JACK

FEATURES

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



RoHS

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

DISCONTINUED

LED ABSOLUTE MAXIMUM RATINGS (TA=25°C)

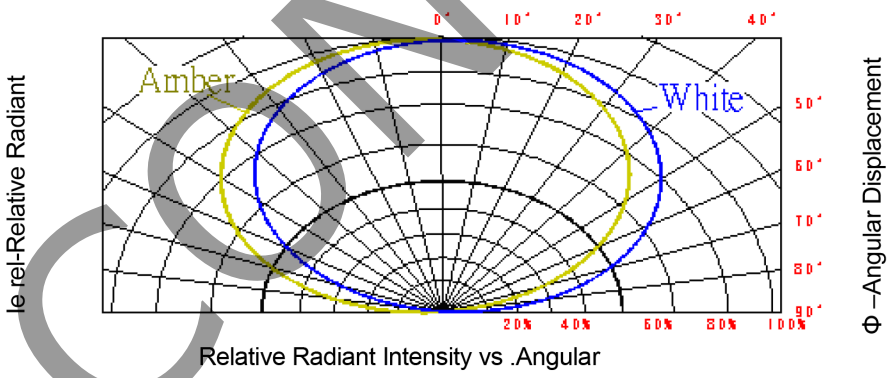
parameter	conditions/description	min	typ	max	units
power dissipation (PD)	amber white			52 74	mW mW
DC forward current (IF)	amber white			20 20	mA mA
pulsed forward current (IFP)[3]	amber white			90 90	mA mA
reverse voltage (VR)	amber white			5 5	V V

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

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

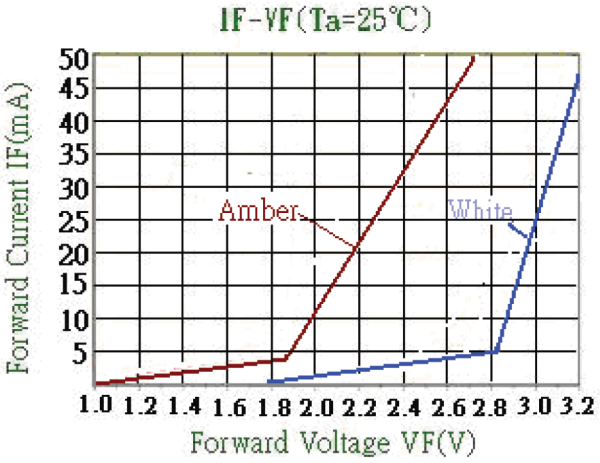
parameter	conditions/description		min	typ	max	units
forward voltage (Vf)	at If=20 mA	amber white	1.7 2.8	2.0 3.3	2.6 3.7	V V
luminous intensity (Iv)	at If=20 mA	amber white	37.6 100	520	192.4 1150	mcd mcd
wavelength (λd)	at If=20 mA	amber	600		612	nm
		white X Y		0.28 0.26		
reverse current (Ir)	at Vr=5 V				10	μA
viewing angle (2θ1/2)	at If=20 mA			130		deg

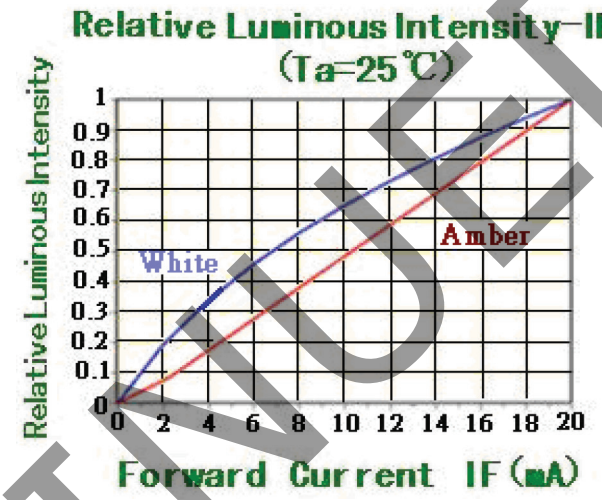
Note: 4. Luminous intensity ±10%; forward voltage ±0.1 V; wavelength ±0.5 nm, (X,Y) ±0.01 is standard testing.

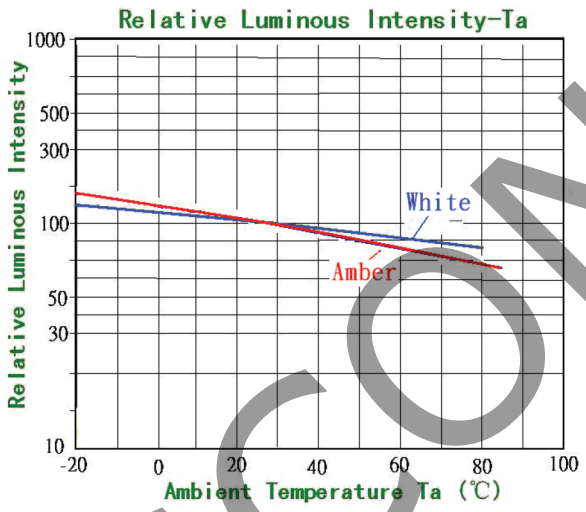


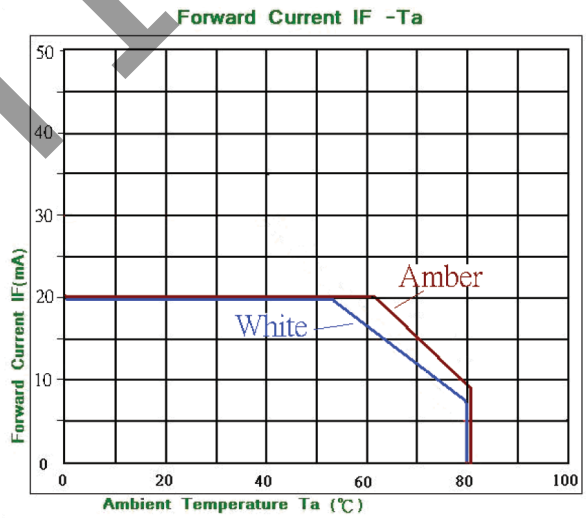
DISCONTINUED

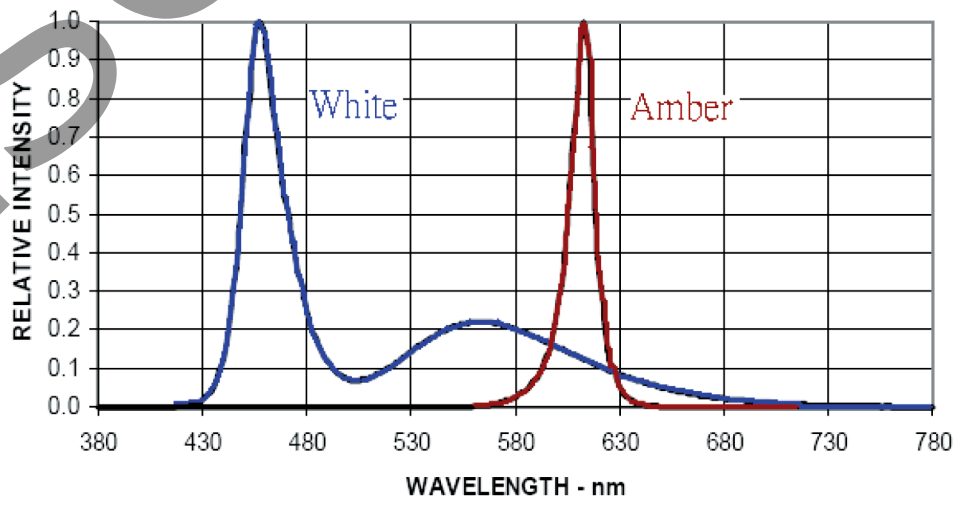
LED CHARACTERISTIC CURVES







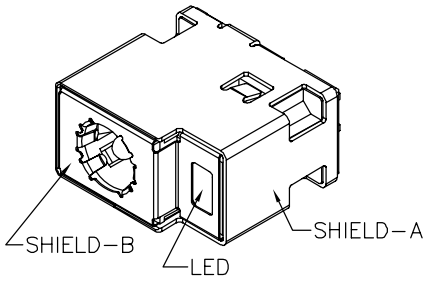




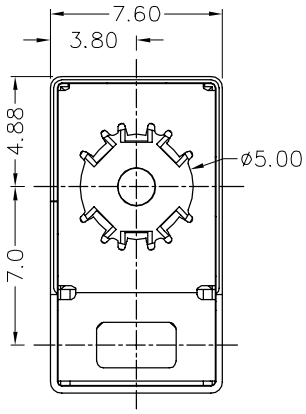
DISCONTINUED

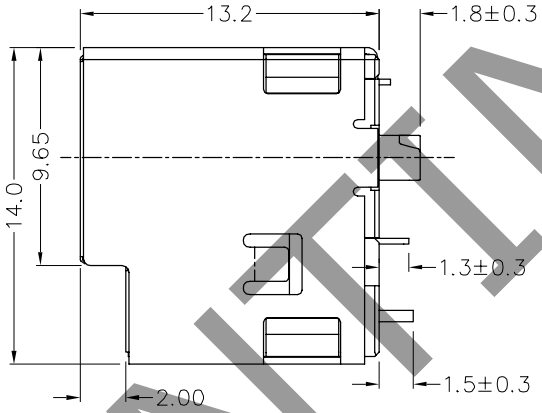
MECHANICAL DRAWING

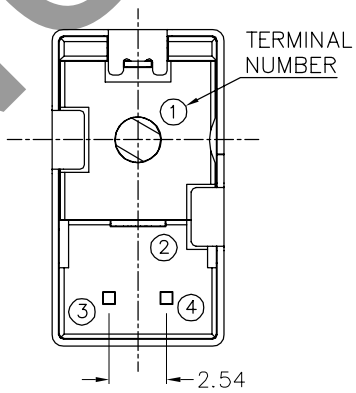
units: mm
tolerance:
X.X ±0.2 mm
X.XX ±0.10 mm
X.XXX ±0.050 mm

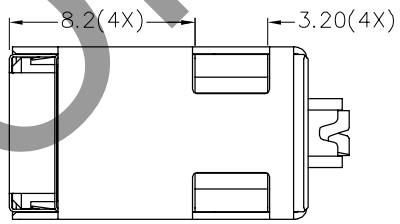


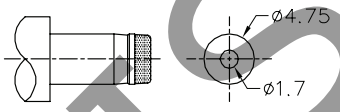
	MATERIAL	PLATING
center pin	copper	gold flash
terminal 1	copper	gold flash
terminal 2	copper alloy	gold flash
terminal 3	iron alloy	silver
terminal 4	iron alloy	silver
shield-A	brass	nickel
shield-B	stainless steel	
insulator	PA66	



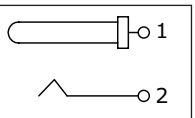




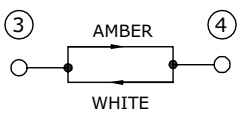




MATING PLUG
Jack Insertion Depth: 8.4 mm

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

LED TYPE



NODE		COLOR
PIN 3(+)	PIN 4(-)	AMBER
PIN 3(-)	PIN 4(+)	WHITE

DISCONTINUED

REVISION HISTORY

rev.	description	date
1.0	initial release	12/17/2018
1.01	brand update	10/25/2019
1.02	logo, datasheet style update	08/05/2022

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

DISCONTINUED

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

cuidevices.com