



Specifications

Constant Current LED Power Supplies Mini Series-PIAH, IP20, 3W

PAIRUI ELECTRONICS

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LED Power Supplies for Indoor Use

PIAH SERIES, 3WATT, IP20 RATING

Features

- 3 Year Warranty
- High Input Voltage Range: 220~240Vac
- Constant Current Output Mode
- Waterproof Rating IP20
- Class II Power, no FG
- Short Circuit, Over Voltage, and Over Current Protections



Applications

- ✓ Panel Light
- ✓ Down Light
- ✓ Recessed Light
- ✓ Cabinet Light
- ✓ Other Indoor used Lights

Electrical

Part Number	Output Power	Output Current	Output Voltage	Efficiency	Certificate
PIAH003C0120NSLPP1	3.1W	120mA	15-26V	72%	CE TUV SAA
PIAH003C0150NSLPP1	3.9W	150mA	15-26V	72%	CE TUV SAA
PIAH003C0200NSLPP1	3.2W	200mA	9-16V	72%	CE TUV SAA
PIAH003C0300NSLPP1	3.9W	300mA	3-13V	72%	CE TUV SAA
PIAH003C0350NSLPP1	3.5W	350mA	3-10V	72%	CE TUV SAA
PIAH003C0500NSLPP1	3W	500mA	2-6V	72%	CE TUV SAA
PIAH003C0550NSLPP1	3.3W	550mA	2-6V	72%	CE TUV SAA
PIAH003C0600NSLPP1	3.6W	600mA	2-6V	70%	CE TUV SAA
PIAH003C0700NSLPP1	4.2W	700mA	2-6V	70%	CE TUV SAA

NOTE: Other output models are may available on request.

INPUT

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Rated Input Voltage		220		240	VAC
Range Of Input Voltage		198		264	VAC
Frequency		50		60	Hz
Input Current	198VAC, full load			0.04	A
Input Power	230VAC, full load			6	W
Power factor(PF)	230VAC, full load	0.5			
No-Load Power Consumption				0.5	W

OUTPUT

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Current Accuracy			±5		%
Max. Output Power				4.2	W
Started Delay Time	230VAC, full load			0.5	s
Current Ripple				±7	%

Protection

Short circuit	Auto Recovery
Over load	Auto Recovery
No-load	Auto Recovery
Insulation voltage	I/P to O/P,3KVac/1min
Insulation resistance	>100M ohm/500VDC
Leakage current	I/P to O/P <0.75mA

Environment

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
Ta/Operation Temperature		-20		+45	°C
Ts/Storage Temperature		-20		85	°C
Tc/Enclosure Temperature				75	°C
Humidity		10		90	%RH

Construction

Connection Method	Wire connection
Installation	Build-in
Input wire specification	UL1672 20AWG double-insulated conductor Copper clad head 7mm
Output wire specification	UL1015 22AWG insulated conductor
Dimension	54*30*20mm

Others

RoHS	Complied to 2011/65/EU
Life Time	30000h @45°C(Ta)/85°C(Tc)
Warranty	3years

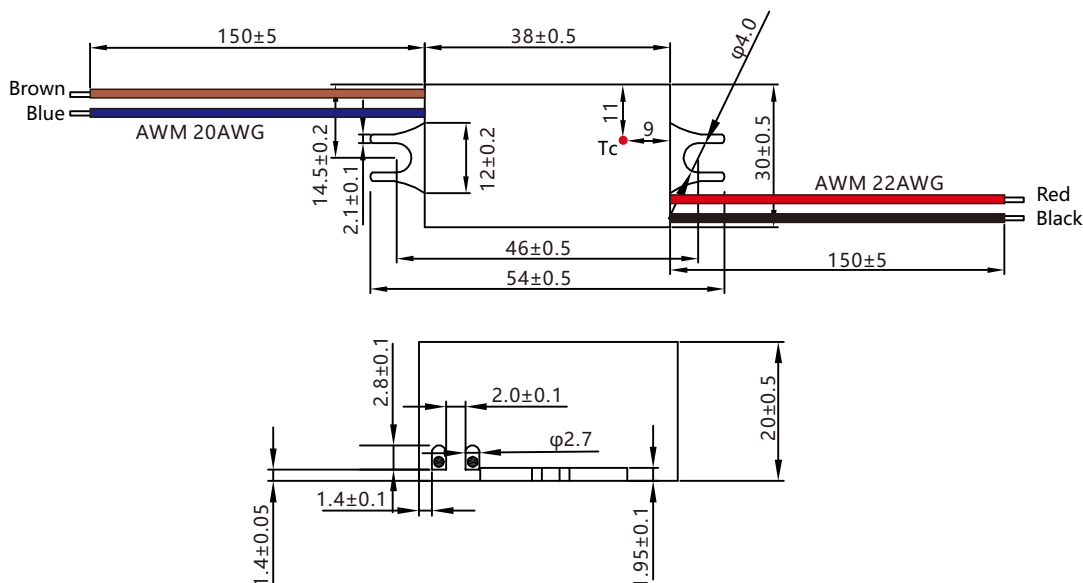
Standards

Safety Standards	EN61347-1:2015, EN61347-2-13:2014/A1:2017, EN62493:2015, AS/NZS IEC61347.2.13:2013, AS/NZS 61347.1:2016, GB19510.1-2009
EMC Standards	EN55015:2013/A1:2015, EN61000-3-2:2014, EN61000-3-3:2013, EN61547:2009, GB/T17743.2017
Surge	L-N/2KV
Performance	EN 62384

Remark:

1. Unless otherwise specified, all specification parameters are measured at input voltage of 230VAC, rated load and ambient temperature of 25°C.
2. Power supply is considered as a component and used in combination with terminal equipment, because EMC is affected by the whole set of equipment, the manufacturer of terminal equipment needs to re-emc confirm the whole set of equipment.

Mechanical



Unit: mm

Packing information

Carton L*W*H(mm)	Pcs Carton	Net weight Pcs(kg)	Net weight Carton(kg)	Gross weight Carton(kg)
620*260*185	420	0.025	10.5	12

Electrical Curve

