



Specifications

Constant Current LED Power Supplies Mini Series -PIAH,IP20,12W

PAIRUI ELECTRONICS

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LED Power Supplies for Indoor Use

PIAH SERIES, 12WATT, 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
PIAH012C0200NSLPP2	12W	200mA	42-60V	82%	CE TUV SAA
PIAH012C0250NSLPP2	12W	250mA	30-48V	82%	CE TUV SAA
PIAH012C0300NSLPP2	12W	300mA	30-40V	82%	CE TUV SAA
PIAH012C0350NSLPP2	13.3W	350mA	24-38V	82%	CE TUV SAA
PIAH012C0400NSLPP2	12.4W	400mA	20-31V	82%	CE TUV SAA
PIAH012C0500NSLPP2	12.5W	500mA	16-25V	82%	CE TUV SAA
PIAH012C0600NSLPP2	14.4W	600mA	10-24V	82%	CE TUV SAA
PIAH012C0700NSLPP2	14W	700mA	10-20V	82%	CE TUV SAA

NOTE: Other output models are may available on request.

INPUT

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT S
Rated Input Voltage		220		240	VAC
Range Of Input Voltage		198		264	VAC
Frequency		50		60	Hz
Input Current	198VAC, full load			0.15	A
Input Power	230VAC, full load			17.5	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				14.4	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	Double-insulated conductor Copper clad head 7mm
Output wire specification	UL1015 22AWG insulated conductor
Dimension	63.8*36*20mm

Others

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

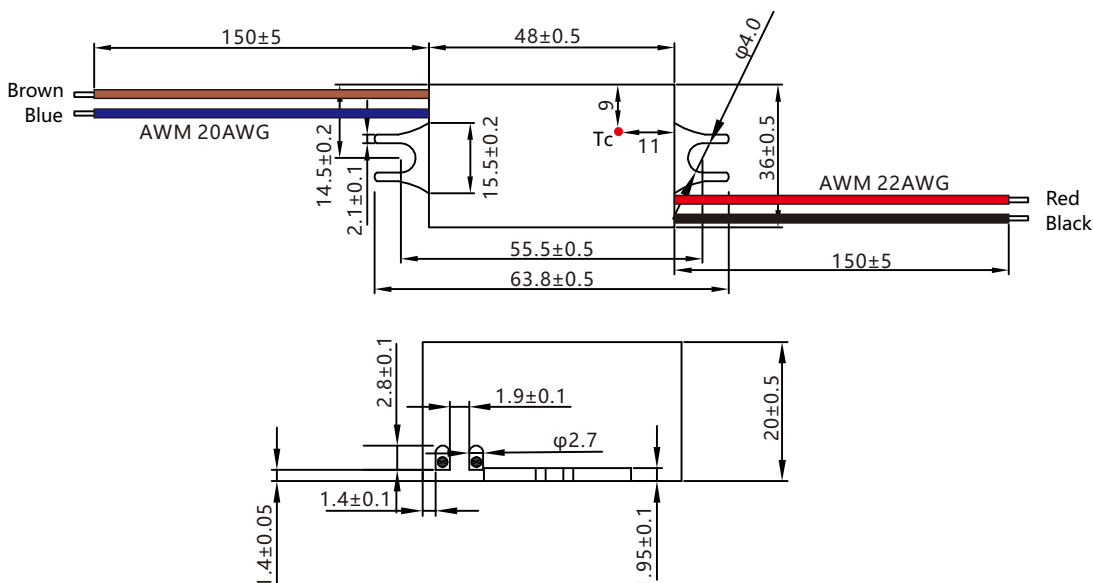
Standards

Safety Standards	EN61347-1:2015, EN61347-2-13:2014/A1:2017, EN62493:2015, AS/NZSIEC61347.2.13:2013, 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	392	0.045	17.6	19.1

Electrical Curve

