



承认书

SPECIFICATION FOR APPROVAL

制造商 corporation

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桂林至敏电子科技有限公司

GUILIN SEMISAM ELECTRONIC TECHNOLOGY CO., LTD

Add:Floor 1-3 building 5 B18 standard workshop Suqiao Industrial ParkGuilin economic

and Technological Development ZoneGuilin City Guangxi Zhuang Autonomous Region

客户名称:

CUSTOMER :

产品名称:

PART NAME : Surge Protection Device (SPD)

认证型号:

CERTIFIED MODEL :

产品编码:

Product code:

产品料号:

PART No. : HVTP34S241~HVTP34S911

客户料号:

CUSTOMER P/N :


其他说明:

REMARK :

编制日期: Compile Date:	2022-01-15	修订日期: Revision date:	2023-08-28	版本: Edition:	3.0
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供应商确认 Supplier confirmation			
编制 Editor	黄林	日期 Date	2023-08-28
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加盖 印章 Affix a seal			


客户确认 Customer confirmation			
编制 Editor		日期 Date	
审核 Check		日期 Date	
批准 Approval		日期 Date	
加盖 印章 Affix a seal			

	Product Name	SEMISAM HVTP Series	Edition	3.0
	Specification model	HVTP34S TPMOV	Revision date	2023-08-28

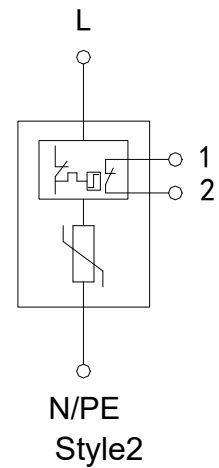
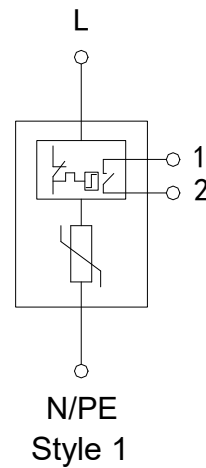
1、 Part Number Code

HVTP	34	S	621	K	T1	001		
1	2	3	4	5	6	7		

No.	Item	Code	Specification
1	Product Type	HVTP	"SEMISAM" HVTP type
2	Chip Size	34	34mm
3	Product form	S	Square Type
4	Varistor Voltage	621	620V
5	Varistor voltage tolerance	K	±10 %
6	Product Mix	T1	Style 1
7	Optional Suffix	001	Special control


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2、Product parameter




Model	Nominal System Voltage	Nominal Varistor Voltage @1mA	Max. Continuous Operating Voltage		Nominal Discharge Current (8/20 μ s)	Max. Discharge Current (8/20 μ s)	Voltage Protection Rating	product mix
	V_r	$V_N(V_{1mA})$	$V_C(MCOV)$		I_n	I_{max}	V_p	
	(V _{AC})	(V)	(V _{AC})	(V _{DC})	(KA)	(KA)	(V)	Style
HVTP34S241	120	240	150	200	20	50	600	1、 2
HVTP34S301	120	300	180	230	20	50	700	1、 2
HVTP34S431	240	430	275	350	20	50	900	1、 2
HVTP34S511	277	510	320	410	20	50	1000	1、 2
HVTP34S621	277	620	385	505	20	50	1200	1、 2
HVTP34S681	347	680	420	560	20	50	1300	1、 2
HVTP34S911	480	910	550	745	20	50	1500	1、 2

In accordance with	ANSI/UL1449-4th; IEC 61643-11:2011
Operating temperature range	-40°C ~ +85°C
Usage Environment	relative humidity: \leq 95%, altitude: \leq 2000m
Dielectric strength	\geq 2500V (AC)
Insulation impedance	\geq 10 MOhm
Response time	\leq 25 nS
Enclosure material	Thermoplastic, flame retardant grade UL94-V0
Disconnecter instructions	viewed through top hole of plastic housing
Remote alarm contact	floating contact (50mA 12Vdc) for fault indication
Product failure indication	There is an indication window on the top of the product

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3、Glossary

Item	Description
V_N	Nominal Varistor Voltage Voltage, at specified d.c. current used as a reference point in the component characteristic.
8/20 μ s	8/20 Current Impulse Current impulse with a nominal virtual front time of 8 μ s and a nominal time to half-value of 20 μ s. — (IEC 61643-11)
1.2/50 μ s	1.2/50 Voltage Impulse Voltage impulse with a nominal virtual front time of 1.2 μ s and a nominal time to half-value of 50 μ s. — (IEC 61643-11)
V_c	Maximum Continuous Operating Voltage Maximum r.m.s. voltage, which may be continuously applied to the SPD's mode of protection. — (IEC 61643-11)
I_n	Nominal Discharge Current Crest value of the current through the SPD having a current waveshape of 8/20 μ s. — (IEC 61643-11)
I_{max}	Maximum Discharge Current Crest value of a current through the SPD having an 8/20 μ s waveshape and magnitude according to the manufacturers specification. I_{max} is equal to or greater than I_n . — (IEC 61643-11)
SCCR	Short Circuit Current Rating The suitability of an SPD for use on an AC power circuit that is capable of delivering not more than a declared rms symmetrical current at a declared voltage during a short circuit condition.
V_p	Voltage Protection Level Maximum voltage to be expected at the SPD terminals due to an impulse stress with defined voltage steepness and an impulse stress with a discharge current with given amplitude and wave shape. — (IEC 61643-11)

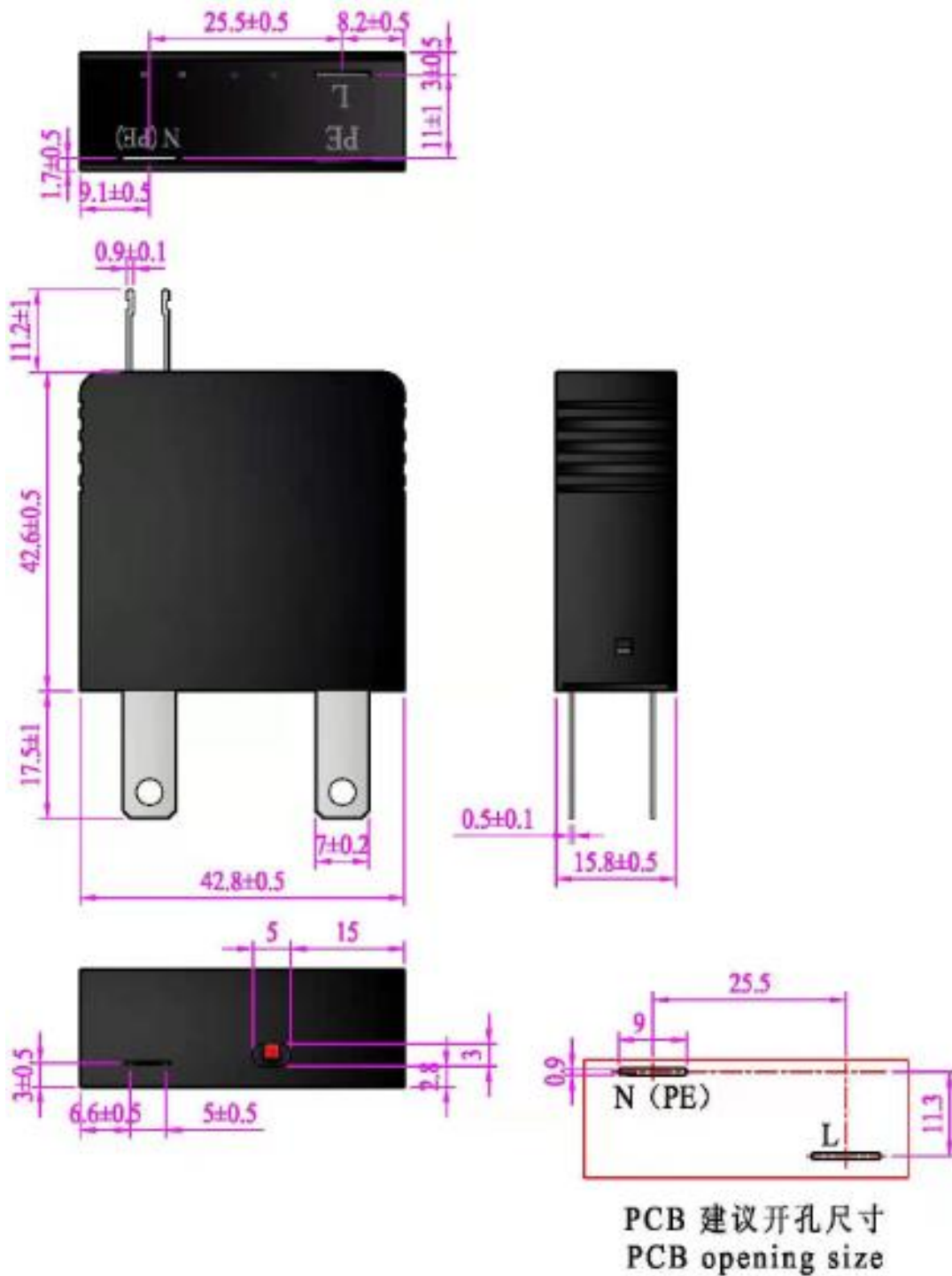
	Product Name	SEMISAM HVTP Series	Edition	3.0
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4、Shape Size


Line protection mode: L-NPE

Unit: mm

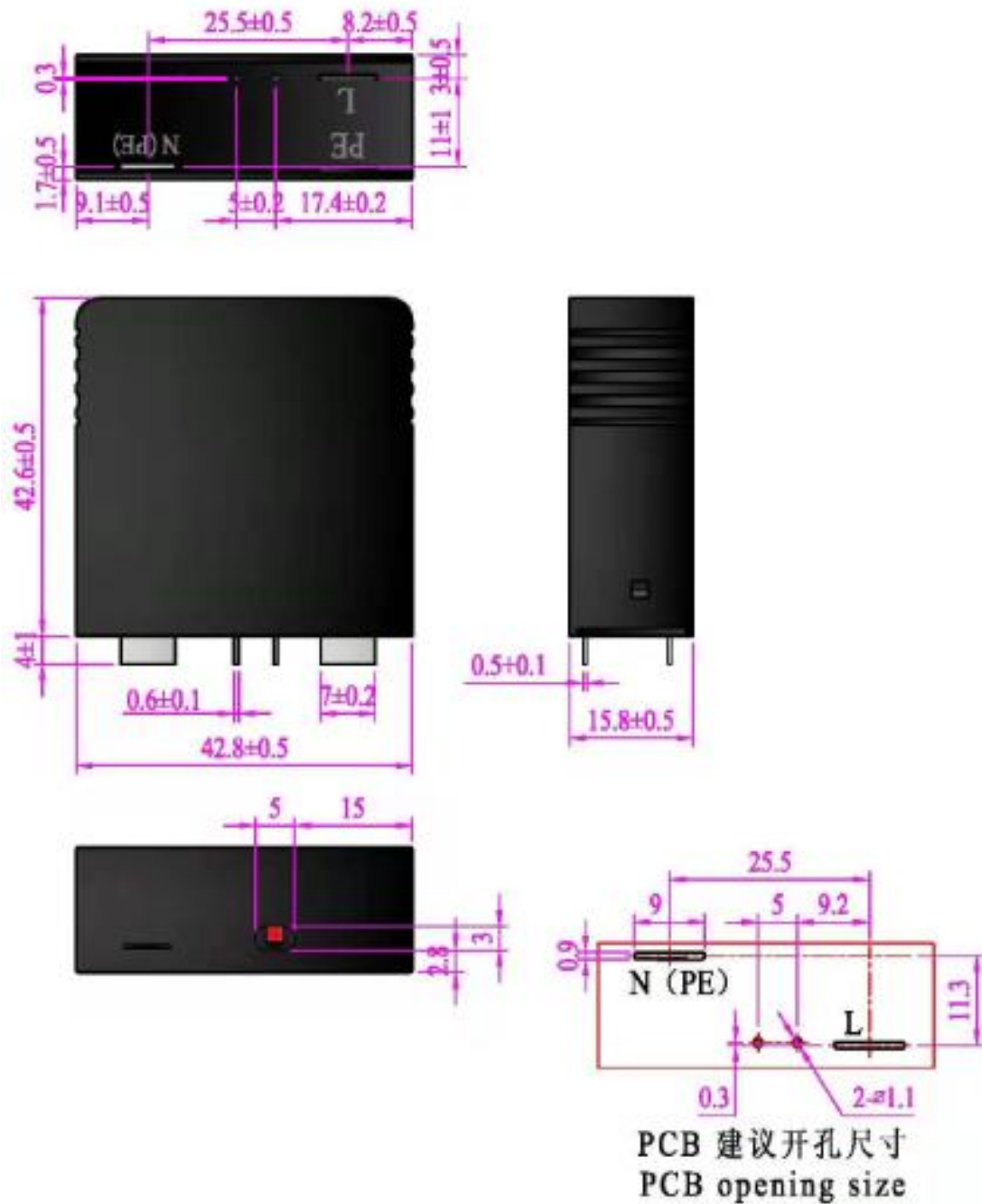
Style 1




The product structure diagram is for reference only

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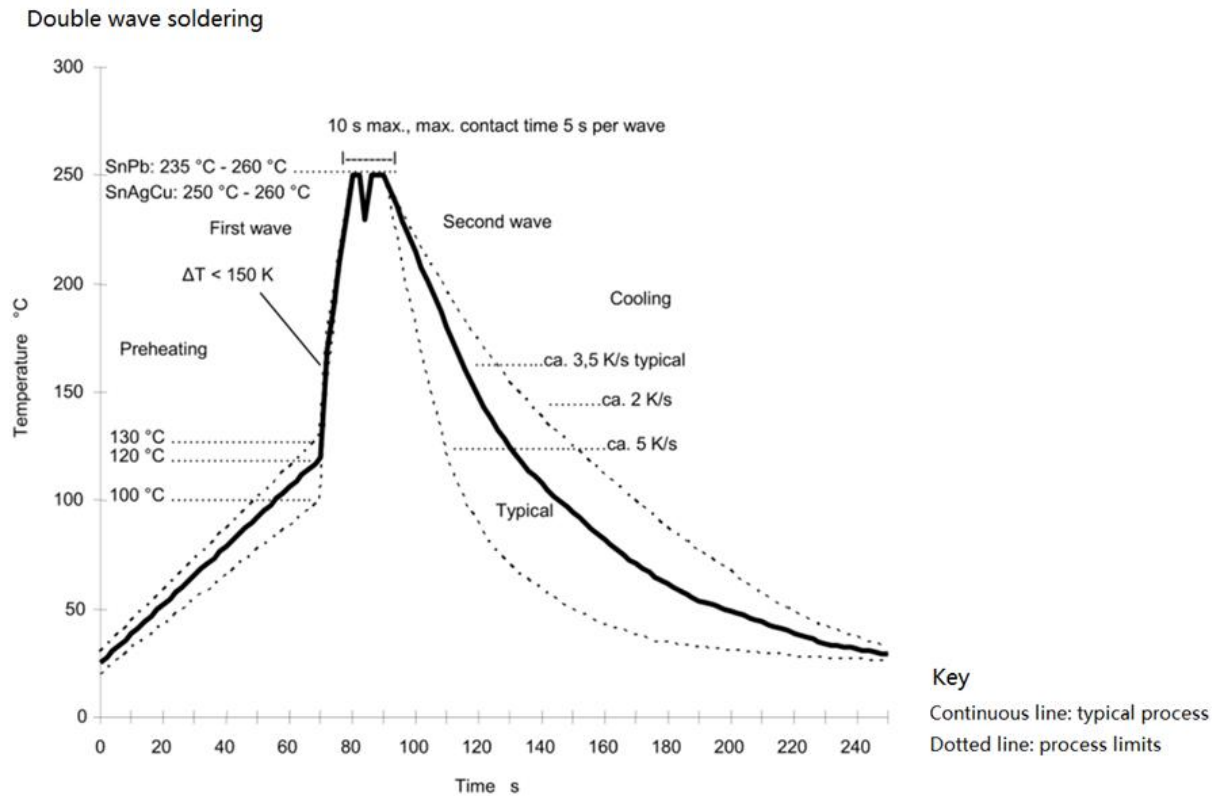
Style 2



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5、 Soldering curve recommended



Acc. IEC 61760-1 2006, 6.1.3; Temperature/time profile, terminal temperature.

6、 Warehouse storage conditions of products

- 6.1 Store this product only in original packaging, do not open the package before storage.
- 6.2 Storage conditions in original packaging:
 Storage temperature: -10 °C~+40 °C; Relative humidity: <75% annual average.
- 6.3 Keep away from corrosive atmosphere and sunlight, avoid storage of this product in harmful environments that can affect the function during long-term.
- 6.4 Period of storage: 1 year

7、 Packing

Packing	Package Size	Quantity
Box size	L×W×H = 230mm×180mm×50mm	18PCS
Carton size	L×W×H=390mm×245mm×232mm	144PCS