	<specification></specification>					
То :			SPEC.No. ASI Date: Aug	DIQ-SPE-150(00) 9.22,2022		
	CUSTOM	ER'S PRODUCT NA	ME			
	ASDI PRODUCT NAME:					
	SIPM1003A-SERIES					
	MATION	l	CONDITIONAL CO			
	STIONAL CONSENT					
	APPROVED		CHECKED			
ASDI SIGNATURE						
	APPROVED	CHECKED	PREPARED			
	Xianglong Li	Liang Wang	Jiayin Cai			



Xiamen ASDI Electronics Co.,Ltd.

REV.	DATE	DESCRIPTION	APPROVED	CHECKED	PREPARED
00	Aug.22,2022	New release	Xianglong Li	Liang Wang	Jiayin Cai

CAUTION WHEN HANDLING

Before use the products, please read this specification.

CAUTION FOR SAFETY USING

When use the products, be careful to mentioned below for safety using.

CAUTION *The product should be used within 12 monthes. Focus on the storage conditions. Solderability may become weak if it exceeds the period. *Do not use and store the product in condition of gas corrosion (Salt, Acid, Alkaline). *The products must be preheated before soldering. The operating temperature including self-generated heat must be within '-55~+125 $^\circ C$ *Rework by soldering iron;Please keep the mentioned conditions in this specification. *In case of insert P.C. Board on chassis, do not add mechanical stress to the product. *Be careful to arrange of non-magnetic field type inductors. The error may be caused by magnetic field coupling. *In case handle the products, please use wrist strap for ground static discharge on human body. The product keeps away from magnet or magnetized things. *Do not use the product beyond the mentioned conditions in this specification. *About an application The products listed on this specification sheet are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition. *The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property. Please understand that we are not responsible for any damage or liability caused by use of the products in any of the applications below or for any other use exceeding the range or conditions set forth in this specification sheet. 1)Aerospace/Aviation equipment 6)Transportation control equipment 2)Military equipment 7)Power-generation control equipment 3)Seabed equipment which directly endanger human life 4)Safety equipment 8)Atomic energy-related equipment 5)Medical equipment 9)Other applications that are not considered general-purpose applications If you intend to use the products in the following applications, please contact our sales office. Transportation equipment (cars, electric trains, ships, etc.), Public information-processing equipment. Electric heating apparatus / burning equipment. Disaster prevention/crime prevention equipment When using this product in general-purpose applications, you are kindly requested to take into consideration securing protection circuit/equipment or providing backup circuits, etc., to ensure higher safety. DWG.No. ISSUE Xiamen ASDI Electronics Co.,Ltd. ASDIQ-SPE-150(00)

CUSTOMER	ASDI PART No.	CUSTOMER'S DWG NO.
	SIPM1003A-SERIES	

1.Applications

Note PC power system, incl. IMVP-6, Switch and servers,Base stations Battery powered devices,SSD modules,DC/DC converter .

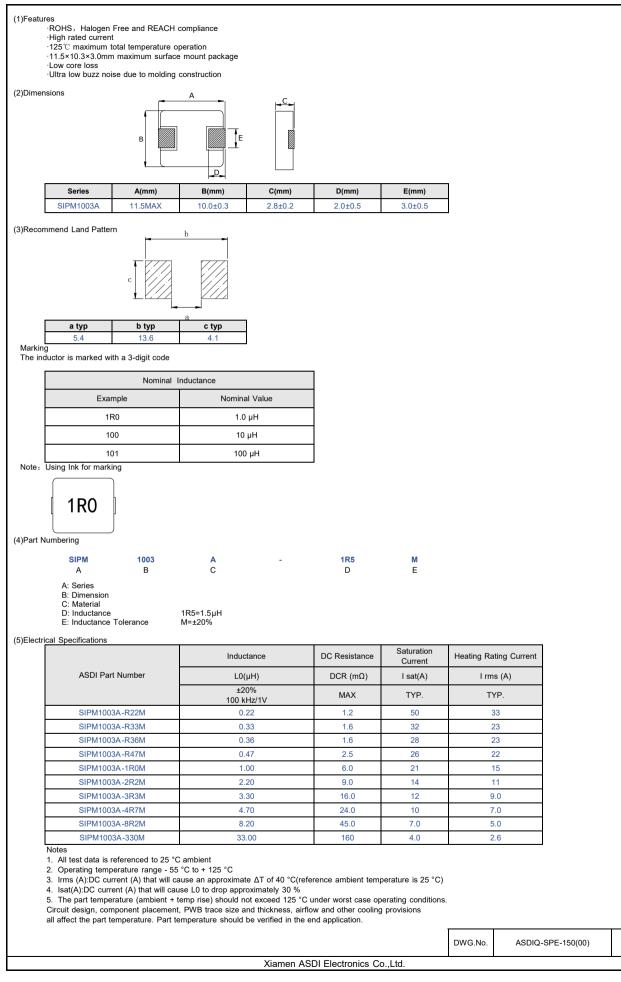
2.INDEX

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3.Manufacturing Location

China

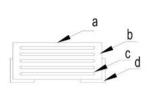
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(6)Structure and Components

Symbol	Components	Material
a Marking		Ink (black)
b	Core	Alloy Spongy Powder
с	Wire	Polyamideimide copper wire
d	Terminal	Copper plated with Sn

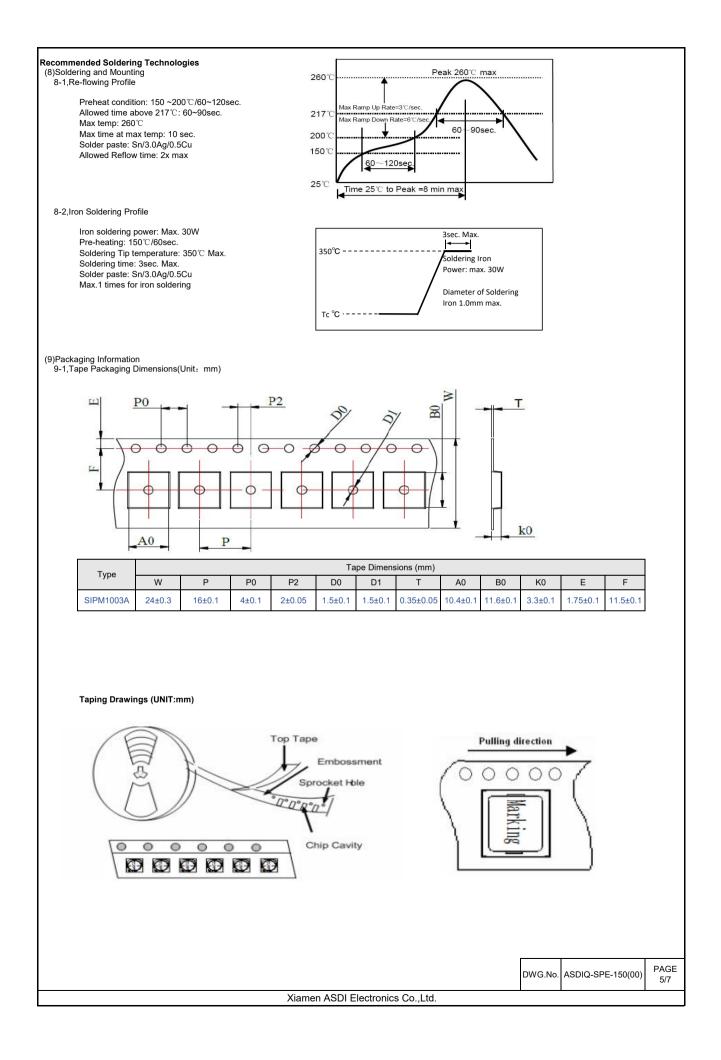


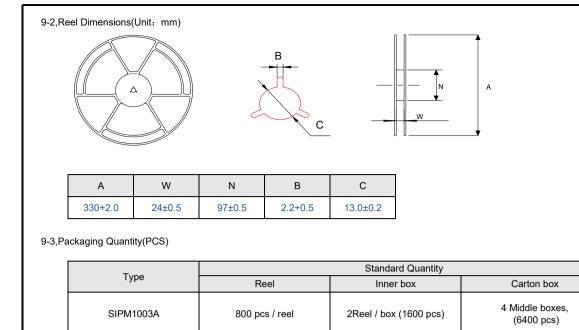
(7)Reliability Tests

	Mechanical Reliability				
No.	Test item	Performance	Test details		
1	Solderability	1. No case deformation or change in apperarance 2. New solder coverage more than 95%	1.Preheat: 155℃±5℃, 60S±2S 2.Solder: lead-free. 3.Temperature: 240℃±5℃, flux 3.0S±0.5S.		
2	Mechanical shock	1. No case deformation or change in apperarance 2. △L/Lo≦±10%	 Acceleration: 100G Pulse time:: 6ms 3 times in each positive and negative direction of 3 mutual perpendicular directions 		
3	3 Mechanical vibration 1.No case deformation or change in apperarance 1. Reflow: 2times 2. △L/Lo ≤±10% 1.No case deformation or change in apperarance 20 Min/Cycles 3. Amplitude: 1.5 3. Amplitude: 1.5		 Reflow: 2times Frequency: 10HZ~55HZ~10HZ, 20 Min/Cycles Amplitude: 1.52 mm Directions: X,Y,Z Time: 12 cycle / direction 		
	1				
No. Test item		Performance	Test details		
4	Thermal shock test	Inductance change: Within ± 10% Without distinct damage in appearance	 First -55°C for 30 minutes, last 125°C for 30 minutes as 1 cycle. Go through 1000 cycles. Max transfer time is 3 minutes. Measured at room temperature after placing for 24±2 hours 		
5	Humidity Resistance	Inductance change: Within ± 10% Without distinct damage in appearance	1.Reflow 2 times, 2.85℃,85%RH,1000 hours 3.Measured at room temperature after placing for 24±2 hours		
6	Low temperature storage	Inductance change: Within ± 10% Without distinct damage in appearance	 Temperature : -55 ± 2°C Time : 1000 hours Measured at room temperature after placing for 24±2 hours 		
7	High temperature Inductance change: 2.		 Temperature : +125 ± 2°C Time : 1000 hours Measured at room temperature after placing for 24±2 hours 		

DWG.No.

ASDIQ-SPE-150(00)





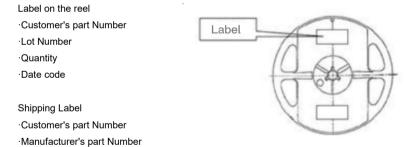
9-4,Peel force of top cover tape

The peel speed shall be about 300mm/minute The peel force of top cover tape shall be between 0.1 to 1.3 N

165° to 180° F Top cover tape TITTA

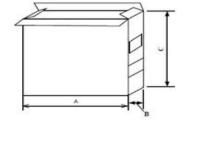
Base tape

9-5,Reel Label



9-6,Inner Box

·Quantity ·Date code



Packing Type	A (mm)	B (mm)	C (mm)
Inner Box	335	70	340

DWG.No.

Xiamen ASDI Electronics Co.,Ltd.

