<	SPECIFI		>
		SPE Date	C.No. ASDIQ-SPE-066(00) 9: Jan.23,2022
То :			
	CUSTOMER'S PRO	DUCT NAME	
	ASDI PRODUCT NA		
RECEIPT CONFIRMATION			
	ONSENT	CONDI	TIONAL CONSENT
APPR	OVED	CHE	CKED
ASDI SIGNATURE			
APPROVED	CHECKED	PREPARED	
Xianglong Li	Liang Wang	Jiayin Cai	



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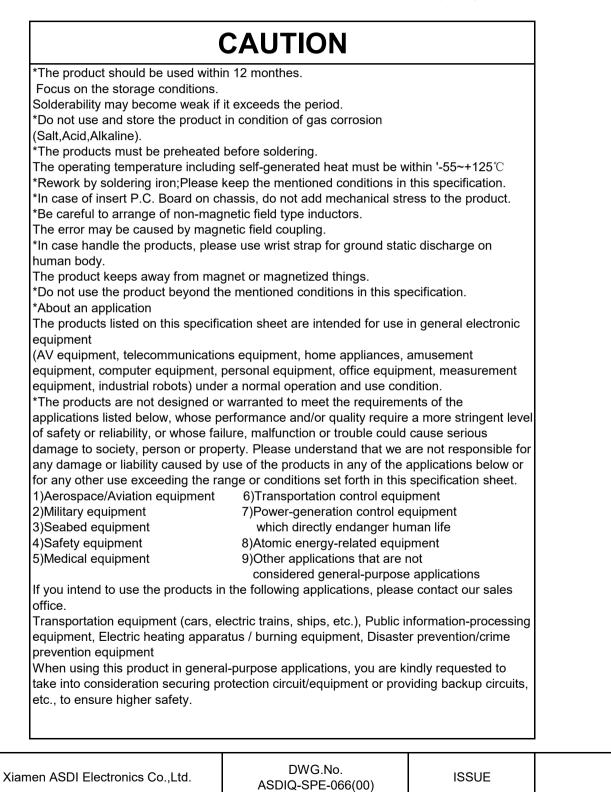
REV.	DATE	DESCRIPTION	APPROVED	CHECKED	PREPARED
00	Jan.23,2022	New release	Xianglong Li	Liang Wang	Jiayin Cai

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.



CUSTOMER	ASDI PART No.	CUSTOMER'S DWG NO.
	SIPM1265C-SERIES	

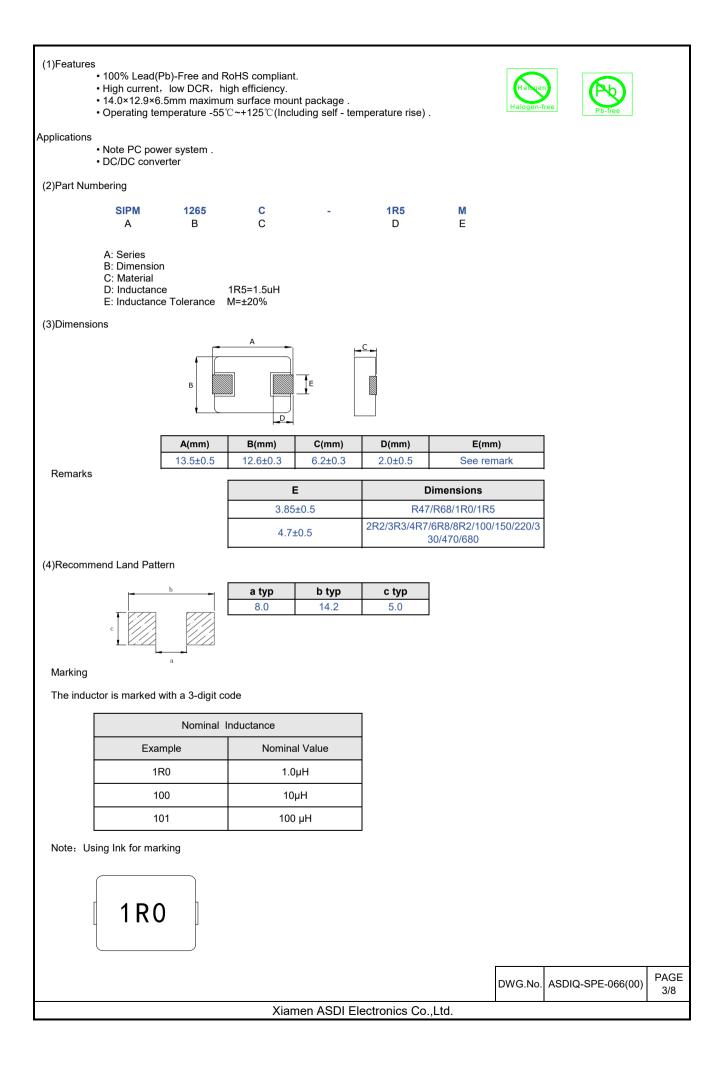
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2.Manufacturing Location

China

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(5)Electrical Specifications

Íable 1

	Inductance	DC Resistance	Saturation Current	Heating Rating Current
ASDI Part Number	L0(µH)	DCR (mΩ)	l sat(A)	Irms (A)
	±20% 100 KHz/1V	MAX.	TYP.	TYP.
SIPM1265C-R47M	0.47	1.20	63.0	41.0
SIPM1265C-R68M	0.68	1.50	55.0	35.0
SIPM1265C-1R0M	1.00	2.30	48.0	30.0
SIPM1265C-1R5M	1.50	3.00	45.0	27.0
SIPM1265C-2R2M	2.20	4.20	37.0	22.0
SIPM1265C-3R3M	3.30	6.80	30.0	18.00
SIPM1265C-4R7M	4.70	8.40	28.0	13.50
SIPM1265C-6R8M	6.80	11.5	18.0	11.50
SIPM1265C-8R2M	8.20	15.5	16.0	10.50
SIPM1265C-100M	10.0	16.5	15.5	10.00
SIPM1265C-150M	15.0	28.0	13.0	9.00
SIPM1265C-220M	22.0	37.0	12.0	9.00
SIPM1265C-330M	33.0	58.0	11.0	8.00
SIPM1265C-470M	47.0	90.0	9.5	6.50
SIPM1265C-680M	68.0	130	7.8	4.80

Notes:

3. Isat(A):DC current (A) that will cause L0 to drop approximately 30 %

4. The part temperature (ambient + temp rise) should not exceed 125 °C under worst case operating conditions.

Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions

all affect the part temperature. Part temperature should be verified in the end application.

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^{1.} All test data is referenced to 25 °C ambient

^{2.} Irms (A):DC current (A) that will cause an approximate ΔT of 40 °C(reference ambient temperature is 25 °C)

(6)Structure and Components

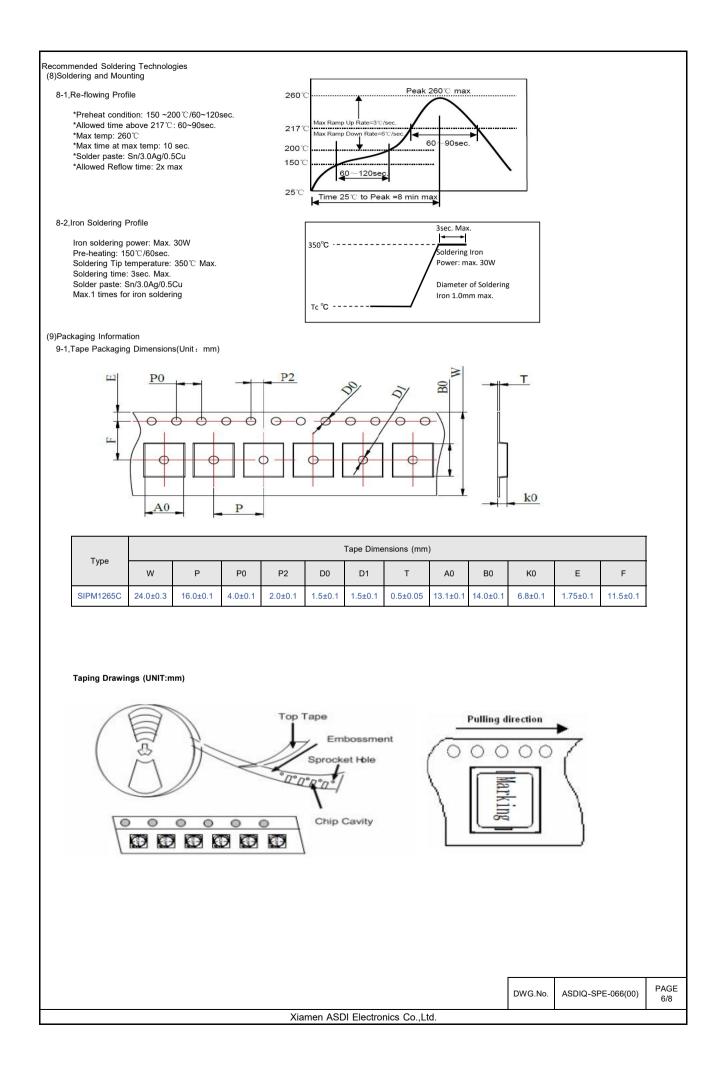
No.	Components	Material
1	Core	Carbonyl Powder
2	Wire	Polyester Wire or equivalent.
3	Clip	100% Pb free solder(Ni+SnPlating)
4	Paint	Epoxy resin
5	Ink	Halogen-free ketone

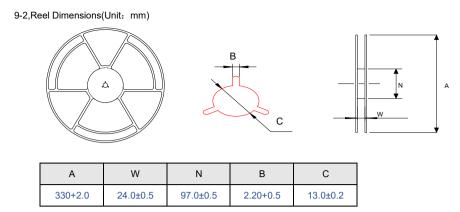


(7)Reliability Tests

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. 3 times in each positive and negative direction of 3 mutual perpendicular directions	
3	Mechanical vibration dr change in apperarance 2. △L/Lo≦±10%		 Reflow: 2times Frequency: 10HZ~55HZ~10HZ, 20 Min/Cycles Amplitude: 1.52 mm Directions: X,Y,Z Time: 12 cycle / direction 	
		Endurance and Reliability Test		
No.	Test item	Performance	Test details	
4	Thermal shock test	Inductance change: Within ± 10% Without distinct damage in appearance	 First -55 ℃ for 30 minutes, last 125 ℃ 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	1. Temperature : -55 ± 2°C 2. Time : 1000 hours 3. Measured at room temperature after placing for 24±2 hours	
7	High temperature storage	Inductance change: Within ± 10% Without distinct damage in appearance	1. Temperature : +125 ± 2°C 2. Time : 1000 hours 3. Measured at room temperature after placing for 24±2 hours	

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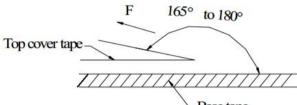
9-3, Packaging Quantity

Tures	Standard Quantity		
Туре	Reel	Inner box	Carton box
SIPM1265C	500 pcs / reel	2Reel / box (1000 pcs)	4 Middle boxes, (4000 pcs)

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





Label

9-5,Reel Label

- Label on the reel
- ·Customer's part Number
- ·Lot Number
- ·Quantity ·Date code
- Shipping Label
- ·Customer's part Number
- ·Manufacturer's part Number
- ·Quantity
- ·Date code

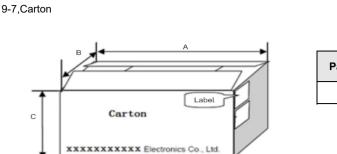
9-6,Inner	Box
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Packing Type	A (mm)	B (mm)	C (mm)
Inner Box	335	70	340

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Packing Type	A (mm)	B (mm)	C (mm)
Туре	360	360	360

(10)Note

·Storage Conditions

To maintain the solderability of terminal electrodes:

- 1. ASDI products meet IPC/JEDEC J-STD-020D standard-MSL, level 1.
- 2. Temperature and humidity conditions: Temperature: 5 to 30deg.C, Humidity: 75% Max.
- Recommended products should be used within 12 months form the time of delivery.
 The packaging material should be kept where no chlorine or sulfur exists in the air.

·Transportation

- 1. Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- The use of tweezers or vacuum pick up is strongly recommended for individual components.
- 3. Bulk handling should ensure that abrasion and mechanical shock are minimized.