	<specif< th=""><th>ICATION</th><th>&gt;</th></specif<>	ICATION	>
		SPE Date	C.No. ASDIQ-SPE-066(00) 9: Jan.23,2022
То :			
	CUSTOMER'S PRC		
	ASDI PRODUCT N/		
RECEIPT CONFIRMATION			
	CONSENT		TIONAL CONSENT
APPR	OVED	CHE	CKED
ASDI SIGNATURE			
APPROVED	CHECKED	PREPARED	
Xianglong Li	Liang Wang	Jiayin Cai	



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Xiamen ASDI Electronics Co.,Ltd.

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.

(	CAUTION			
*The product should be used withi	n 12 monthes			
Focus on the storage conditions.				
Solderability may become weak if	it exceeds the period			
*Do not use and store the product				
(Salt,Acid,Alkaline).	in conductri of gue controlion			
*The products must be preheated	before soldering			
The operating temperature includi		ithin '_55~+125℃		
*Rework by soldering iron;Please				
*In case of insert P.C. Board on cl	•	•		
*Be careful to arrange of non-mag				
The error may be caused by mag				
*In case handle the products, plea		ic discharge on		
human body.	ise use whist shap for ground stall	ic uscharge on		
The product keeps away from mag	anet or magnetized things			
*Do not use the product beyond the		ecification		
*About an application The products listed on this specification sheet are intended for use in general electronic				
equipment		n general electronic		
equipment (AV equipment, telecommunications equipment, home appliances, amusement				
equipment, computer equipment,				
equipment, industrial robots) unde				
*The products are not designed or				
applications listed below, whose p				
of safety or reliability, or whose fai				
damage to society, person or prop				
any damage or liability caused by				
for any other use exceeding the ra				
1)Aerospace/Aviation equipment	6)Transportation control equip	-		
2)Military equipment	7)Power-generation control ec			
3)Seabed equipment	which directly endanger hu			
4)Safety equipment	8)Atomic energy-related equip			
5)Medical equipment	9)Other applications that are r			
	considered general-purpose			
If you intend to use the products in				
office.	r the following applications, please	S COMACE OUL SAICS		
Transportation equipment (cars, e	lectric trains shins atc.) Public it	formation processing		
equipment, Electric heating appar				
prevention equipment				
When using this product in genera	al nurnosa annlicationa, vou cra ki	ndly requested to		
take into consideration securing p				
•		nuing backup circuits,		
etc., to ensure higher safety.				
en ASDI Electronics Co.,Ltd.	DWG.No.	ISSUE		
	ASDIQ-SPE-066(00)			

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

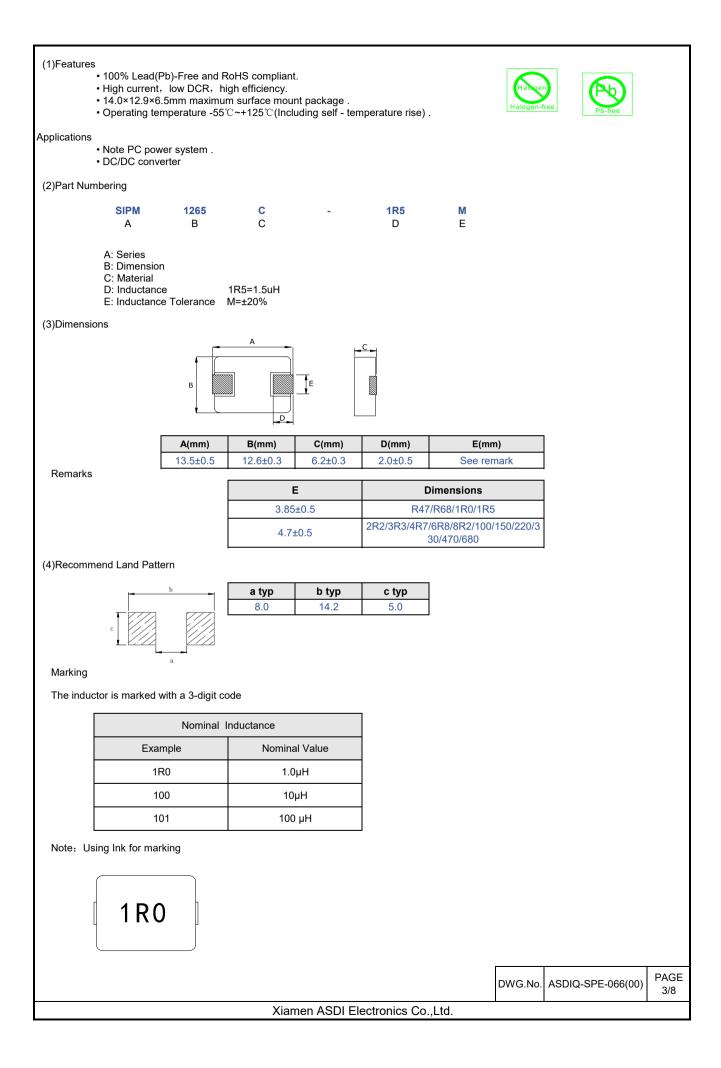
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2.Manufacturing Location

China

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#### (5)Electrical Specifications Table 1

	Inductance	DC Resistance	Saturation Current	Heating Rating Current
ASDI Part Number	L0(µH)	DCR (mΩ)	I 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 DWP trace size and thickness sirflow and other

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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<sup>1.</sup> All test data is referenced to 25  $^\circ\text{C}$  ambient

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

#### (6)Structure and Components

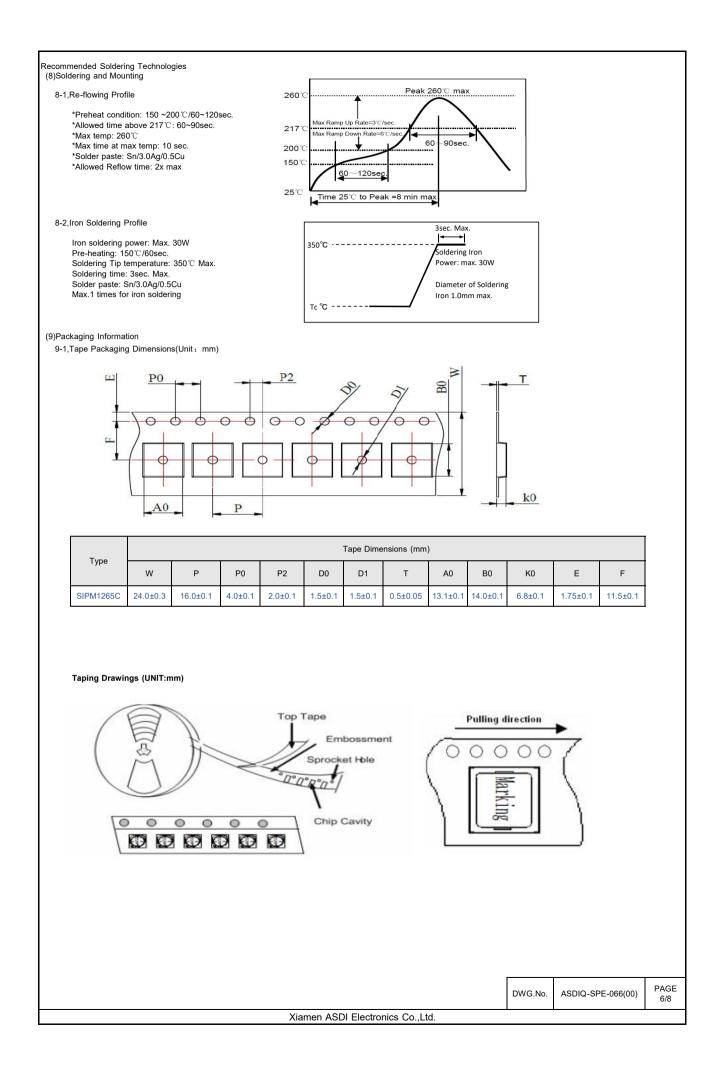
No.	Components	Material
1	Core	Carbonyl Powder
2	Wire	Polyester Wire or equivalent.
3	Clip	100% Pb free solder(Ni+SnPlating)
4	Paint	Epoxy resin
5	Ink	Halogen-free ketone

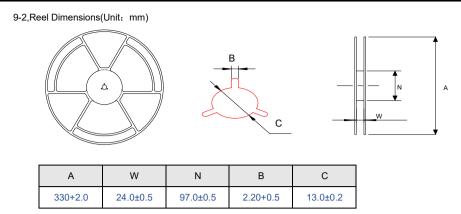


### (7)Reliability Tests

		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	1.No case deformation or change in apperarance 2. △L/Lo≦±10%	1. Reflow: 2times 2. Frequency: 10HZ~55HZ~10HZ, 20 Min/Cycles 3. Amplitude: 1.52 mm 4. Directions: X,Y,Z 5. Time: 12 cycle / direction
No.	Test item	Performance	Test details
4	Thermal shock test	Inductance change: Within ± 10% Without distinct damage in appearance	<ol> <li>First -55℃ for 30 minutes, last 125 ℃ for 30 minutes as 1 cycle. Go through 1000 cycles.</li> <li>Max transfer time is 3 minutes.</li> <li>Measured at room temperature after placing for 24±2 hours</li> </ol>
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	<ol> <li>Temperature: -55 ± 2°C</li> <li>Time: 1000 hours</li> <li>Measured at room temperature after placing for 24±2 hours</li> </ol>
7	High temperature storage	Inductance change: Within ± 10% Without distinct damage in appearance	1. Temperature : +125 ± 2℃ 2. Time : 1000 hours 3. Measured at room temperature after placing for 24±2 hours

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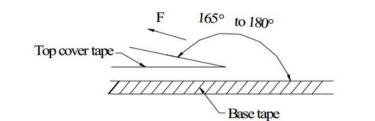
9-3, Packaging Quantity

	Туре	Standard Quantity			
		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

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

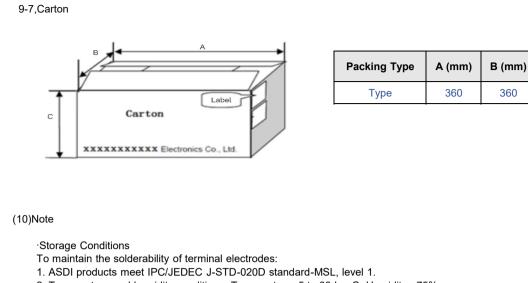
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- 2. Temperature and humidity conditions: Temperature: 5 to 30deg.C, Humidity: 75% Max.
- 3. Recommended products should be used within 12 months form the time of delivery.4. The packaging material should be kept where no chlorine or sulfur exists 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.

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单击下面可查看定价,库存,交付和生命周期等信息

## >>ASDI