<	<specif< th=""><th>CATION></th><th></th></specif<>	CATION>	
			No. ASDIQ-SPE-058(00) Jun. 21, 2022
То :			
	CUSTOMER'S PRO	DUCT NAME	
	ASDI PRODUCT NA		
RECEIPT CONFIRMATION			
	CONSENT	CONDITIO	NAL CONSENT
APPR	OVED	CHECKI	ED
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	Jun. 21, 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 conduct of gue concelen	
*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 th		ecification
*About an application		
The products listed on this specific	pation sheet are intended for use i	n general electronic
equipment		n general electronic
(AV equipment, telecommunicatio	na aquinmont, homo annlianada y	omucomont
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 equip9)Other applications that are r	
5)Medical equipment	,	
If you intend to use the products in	considered general-purpose	
If you intend to use the products in	i the following applications, please	- COMACTOUL SAIES
office.	lectric trains, shins, ata.) Dublic it	formation processing
Transportation equipment (cars, e		
equipment, Electric heating appara	atus / burning equipment, Disaste	r prevention/crime
prevention equipment	l numero ennliectione veu li	ndly requested to
When using this product in generation		
take into consideration securing plate to ensure higher acted	rotection circuit/equipment or prov	nuing backup circuits,
etc., to ensure higher safety.		
1		
en ASDI Electronics Co.,Ltd.	DWG.No.	ISSUE
ion AODI Electronics Co., etc.	ASDIQ-SPE-058(00)	

CUSTOMER	ASDI PART No.	CUSTOMER'S DWG NO.
Each Corporation	SIPM0624C-SERIES	

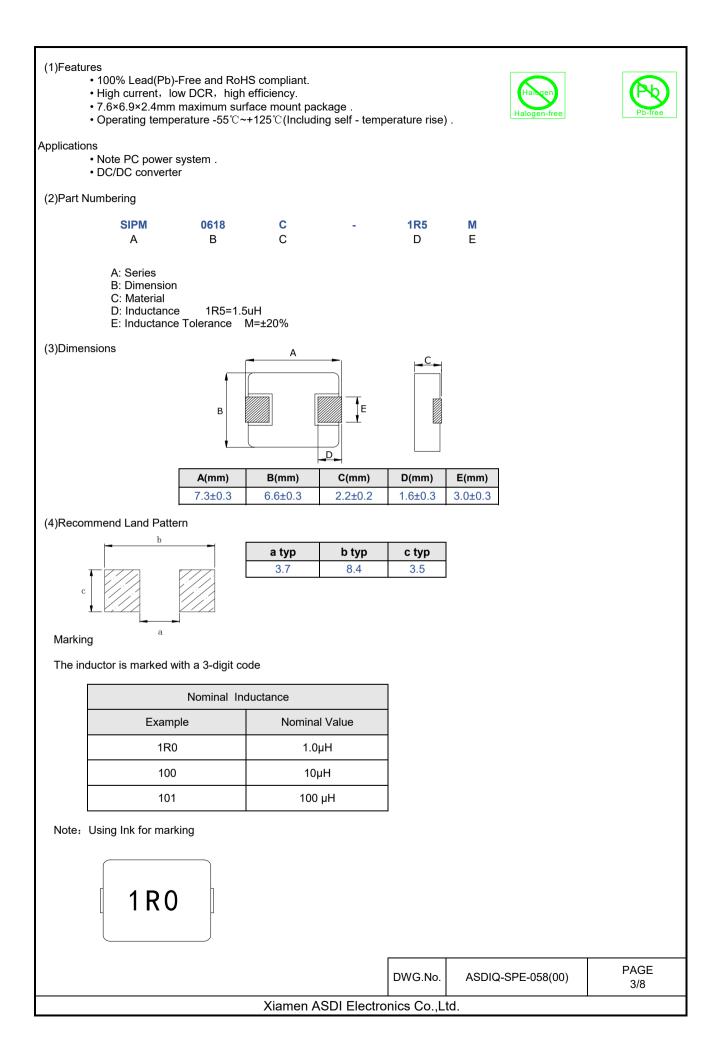
1.INDEX

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2.Manufacturing Location

China

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Xiamen	ASDI Electronics C	o.,Ltd.



(5)Electrical Specifications Table 1

DC Saturation Heating Rating Inductance Resistance Current Current ASDI Part Number L0(µH) DCR (mΩ) I sat(A) Irms (A) ±20% MAX. TYP. TYP. 100 kHz/1V 2.30 SIPM0624C-R15M 0.15 45.0 30.0 SIPM0624C-R22M 0.22 3.20 34.0 21.0 SIPM0624C-R33M 0.33 4.40 30.0 18.0 SIPM0624C-R47M 0.47 5.10 26.0 15.0 SIPM0624C-R68M 0.68 7.20 21.0 13.0 SIPM0624C-R82M 0.82 9.50 17.0 11.0 SIPM0624C-1R0M 1.00 13.50 16.0 10.0 SIPM0624C-1R5M 20.0 15.0 9.00 1.50 2.20 7.00 SIPM0624C-2R2M 28.0 14.0 SIPM0624C-3R3M 3.30 39.0 10.0 6.00 9.00 4.70 SIPM0624C-4R7M 50.0 5.50 72.0 SIPM0624C-6R8M 6.80 7.00 4.00 10.0 101 5.00 3.20 SIPM0624C-100M

Notes:

- 1. All test data is referenced to 25 °C ambient
- Irms (A):DC current (A) that will cause an approximate ΔT of 40 °C(reference ambient temperature is 25 °C)
- 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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(6)Structure and Components

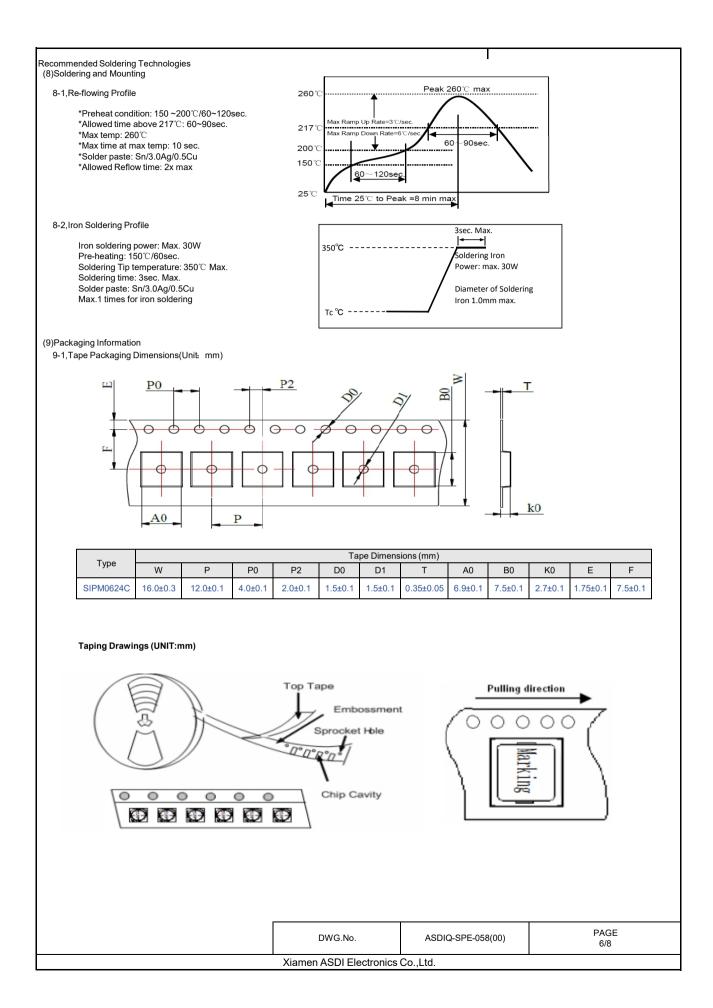
No.	Components	Material
1	Core	Carbonyl Powder
2	Wire	Polyester Wire or equivalent.
3	Clip	100% Pb free solder(Ni+SnPlating)
4	Paint	Epoxy resin
5	Ink	Halogen-free ketone



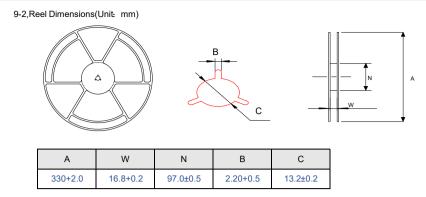
(7)Reliability Tests

		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%	1. Acceleration: 100G 2. 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%	 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°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 [°] C,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 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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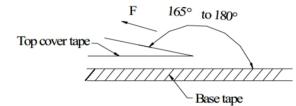
9-3, Packaging Quantity

Turne		Standard Quantity	
Туре	Reel	Inner box	Carton box
SIPM0624C	1500 pcs / reel	3Reel / box (4500 pcs)	4 Middle boxes, (18000 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



9-5,Reel Label

Label on the reel

·Lot Number ·Quantity ·Date code

Shipping Label

·Customer's part Number

- 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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A	Packing Type	A (mm)	B (mm)	C (mm)
Label tronics Co., Ltd.	Туре	360	360	360
DEC J-STD-020D standard-M conditions: Temperature: 5 to rould be used within 12 month build be kept where no chlorine d with care to avoid damage of uum pick up is strongly recom	30deg.C, Humidity: 75 s form the time of deliv or sulfur exists in the r contamination from mended for individual	rery. air.		
	f terminal electrodes: DEC J-STD-020D standard-N conditions: Temperature: 5 to nould be used within 12 month- build be kept where no chlorine d with care to avoid damage of num pick up is strongly recom	F terminal electrodes: EDEC J-STD-020D standard-MSL, level 1. conditions: Temperature: 5 to 30deg.C, Humidity: 75 nould be used within 12 months form the time of delivoud be kept where no chlorine or sulfur exists in the d with care to avoid damage or contamination from uum pick up is strongly recommended for individual	Packing Type A (mm) Type 360 f terminal electrodes: 5 EDEC J-STD-020D standard-MSL, level 1. 5 conditions: Temperature: 5 to 30deg.C, Humidity: 75% 75% nould be used within 12 months form the time of delivery. 5 a with care to avoid damage or contamination from 1	Packing Type A (mm) B (mm) Type 360 360 f terminal electrodes: EDEC J-STD-020D standard-MSL, level 1. 360 conditions: Temperature: 5 to 30deg.C, Humidity: 75% 75% nould be used within 12 months form the time of delivery. 300 be with care to avoid damage or contamination from avit care to avoid damage or contamination from uum pick up is strongly recommended for individual 300

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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