<	<specif< th=""><th>CATION></th><th></th></specif<>	CATION>		
		SPEC.No.	ASDIQ-SPE-057(00) Jun. 21, 2022	
То :				
	CUSTOMER'S PRO	DUCT NAME		
ASDI PRODUCT NAME: SIPM0618C-SERIES				
	CONSENT	CONDITIONAL	CONSENT	
APPROVED CHECKED				
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 with	in 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	hoforo coldoring				
The operating temperature includi		ithin ' 55~±125℃			
*Rework by soldering iron;Please	•	•			
*In case of insert P.C. Board on cl		ess to the product.			
*Be careful to arrange of non-mag					
The error may be caused by mag		ia diaabarara ara			
*In case handle the products, plea	ise use wrist strap for ground stat	ic discharge on			
human body.					
The product keeps away from ma		ifi ti			
*Do not use the product beyond th	ne mentioned conditions in this sp	ecilication.			
*About an application					
The products listed on this specific	cation sheet are intended for use	in general electronic			
equipment					
(AV equipment, telecommunicatio					
equipment, computer equipment,					
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 p					
of safety or reliability, or whose fa					
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	oment			
5)Medical equipment	9)Other applications that are r	not			
	considered general-purpose	e applications			
If you intend to use the products in	n the following applications, pleas	e contact our sales			
office.					
Transportation equipment (cars, e	lectric trains, ships, etc.), Public i	nformation-processing			
equipment, Electric heating appar					
prevention equipment					
When using this product in genera	al-purpose applications, you are k	indly requested to			
take into consideration securing p					
etc., to ensure higher safety.					
.					
	DWG.No.				
nen ASDI Electronics Co.,Ltd.	ASDIQ-SPE-057(00)	ISSUE			

CUSTOMER	ASDI PART No.	CUSTOMER'S DWG NO.
Each Corporation	SIPM0618C-SERIES	

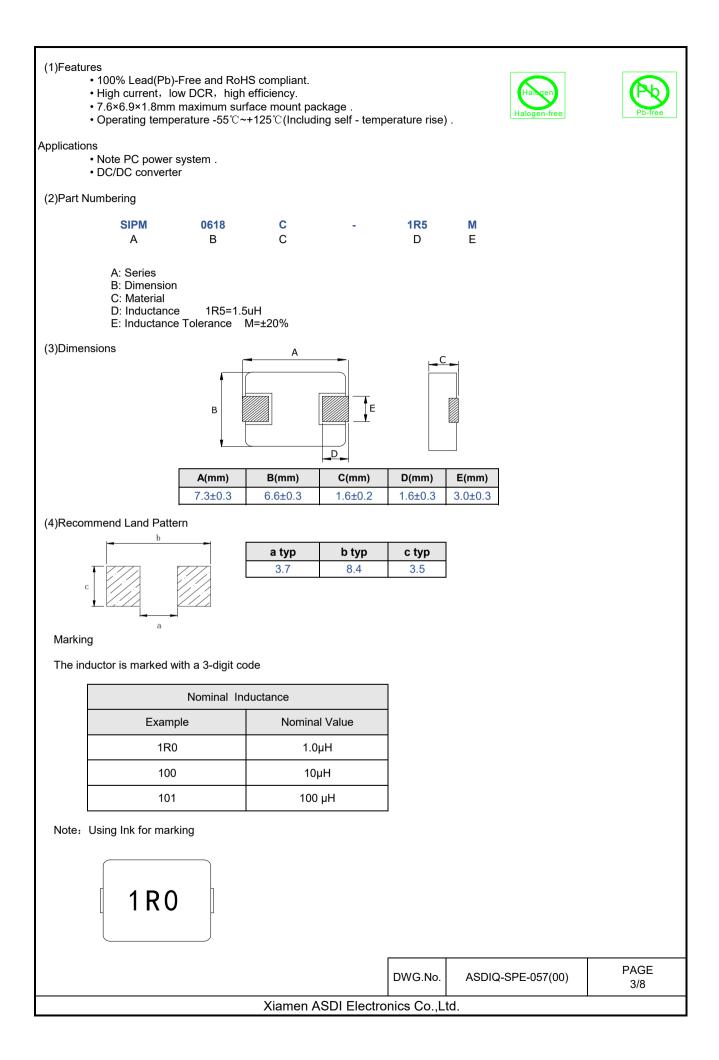
1.INDEX

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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.
SIPM0618C-R22M	0.22	3.00	26.0	16.0
SIPM0618C-R33M	0.33	5.80	22.0	14.0
SIPM0618C-R47M	0.47	7.40	18.0	12.0
SIPM0618C-R68M	0.68	11.0	17.0	10.0
SIPM0618C-R82M	0.82	14.0	15.5	8.5
SIPM0618C-1R0M	1.00	17.0	14.0	7.0
SIPM0618C-1R5M	1.50	25.2	13.0	6.0
SIPM0618C-2R2M	2.20	35.0	11.0	6.0
SIPM0618C-3R3M	3.30	46.0	9.00	5.0
SIPM0618C-4R7M	4.70	76.0	7.00	4.0
SIPM0618C-6R8M	6.80	104	5.50	3.0
SIPM0618C-100M	10.00	160	3.50	2.3

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

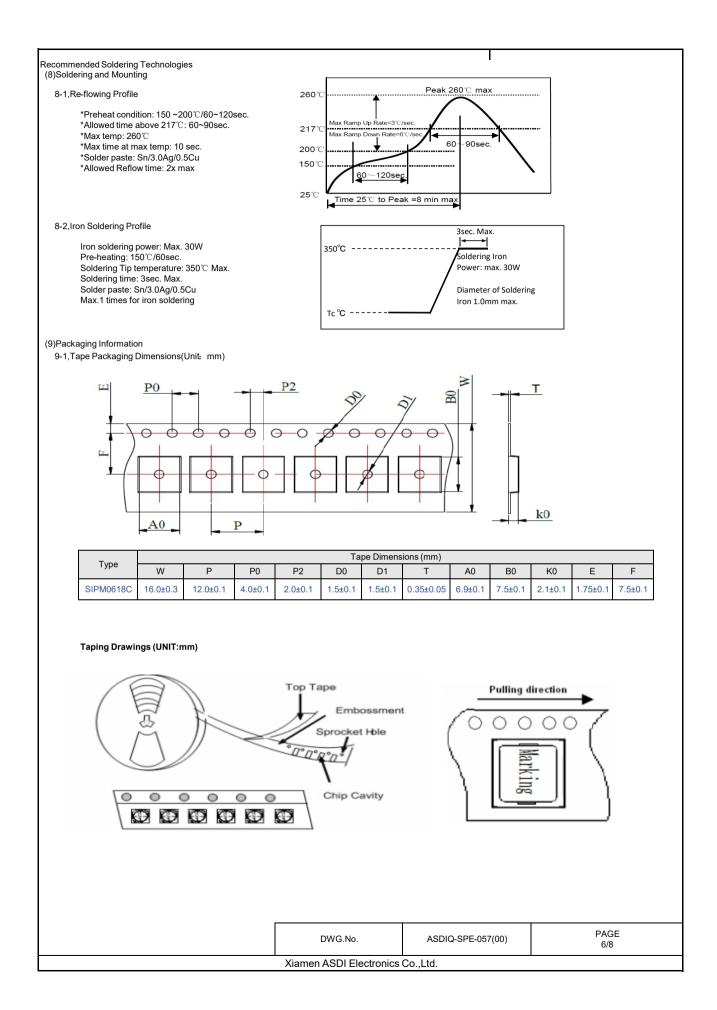
No.	Components	Material
1	Core	Carbonyl Powder
2	Wire	Polyester Wire or equivalent.
3	Clip	100% Pb free solder(Ni+SnPlating)
4	Paint	Epoxy resin
5	Ink	Halogen-free ketone



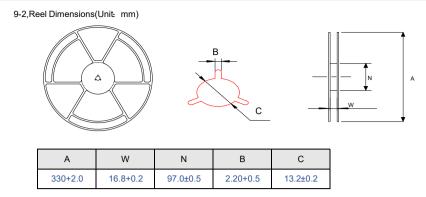
(7)Reliability Tests

	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%	 Acceleration: 100G Pulse time: 6ms 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, 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 ℃,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°C 2. Time : 1000 hours 3. Measured at room temperature after placing for 24±2 hours		

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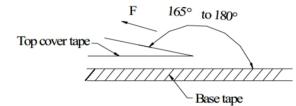
9-3, Packaging Quantity

Tures	Standard Quantity		
Туре	Reel	Inner box	Carton box
SIPM0618C	2000 pcs / reel	3Reel / box (6000 pcs)	4 Middle boxes, (24000 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 $\ensuremath{\mathsf{N}}$



9-5,Reel Label

Label on the reel

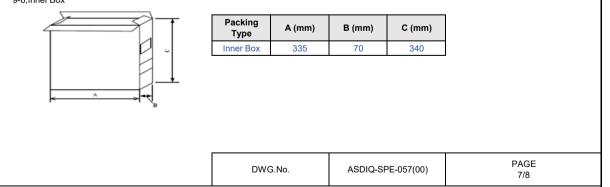
·Lot Number ·Quantity ·Date code

Shipping Label

·Customer's part Number

- Label
- ·Customer's part Number ·Manufacturer's part Number ·Quantity
- ·Date code

9-6,Inner Box



Xiamen ASDI Electronics Co.,Ltd.

9-7,Carton					
	A	Packing Type	A (mm)	B (mm)	C (mm)
c Carton	Label tronics Co., Ltd.	Туре	360	360	360
(10)Note					
 2. Temperature and humidity Max. 3. Recommended products sh 4. The packaging material shot Transportation 1. Products should be handled perspiration and skin oils. 2. The use of tweezers or vac components. 	EDEC J-STD-020D standard-M conditions: Temperature: 5 to 3 nould be used within 12 months build be kept where no chlorine d with care to avoid damage or uum pick up is strongly recomm e that abrasion and mechanica	30deg.C, Humidity: 75 s form the time of deliv or sulfur exists in the contamination from mended for individual	very. air.		
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	Xiamen ASDI Elect	ronics Co. Ltd		1	

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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