		SPECIFI	CATION>	
То :			SPE Date	C.No. ASDIQ-SPE-075(00) ∋: Jul.12,2022
		CUSTOMER'S PRO	DUCT NAME	
		ASDI PRODUCT NA		
		SPAC3D28N-SER	IES	
UNC	ONDITIONAL (CONSENT		IONAL CONSENT
	APPR	OVED	CHE	CKED
ASDI SIGNATU	DE			
	PPROVED	CHECKED	PREPARED	1
	ianglong Li	Liang Wang	Jiayin Cai	
		1	1	1



Xiamen ASDI Electronics Co.,Ltd.

REV.	DATE	DESCRIPTION	APPROVED	CHECKED	PREPARED
00	Jul.12,2022	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		
(Salt,Acid,Alkaline).	In condition of gas convision	
	hoforo coldoring	
*The products must be preheated		ithin ! 10 125°∩
The operating temperature includi		
*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		
*In case handle the products, plea	ise use wrist strap for ground stat	ic discharge on
human body.		
The product keeps away from ma		
*Do not use the product beyond th	ne mentioned conditions in this sp	ecification.
*About an application		
The products listed on this specified	cation sheet are intended for use	in general electronic
equipment		
(AV equipment, telecommunicatio		
equipment, computer equipment,		
equipment, industrial robots) unde	•	
*The products are not designed or		
applications listed below, whose p		
level of safety or reliability, or who	se failure, malfunction or trouble of	could cause serious
damage to society, person or prop	perty. Please understand that we a	are not responsible for
any damage or liability caused by		
for any other use exceeding the ra	ange or conditions set forth in this	specification sheet.
1)Aerospace/Aviation equipment	6)Transportation control equip	oment
2)Military equipment	7)Power-generation control ec	quipment
3)Seabed equipment	which directly endanger hu	man life
4)Safety equipment	8)Atomic energy-related equip	oment
5)Medical equipment	9)Other applications that are r	
,	considered general-purpose	
If you intend to use the products in		
office.	C	
Transportation equipment (cars, e	lectric trains, ships, etc.), Public i	nformation-processing
equipment, Electric heating appar		
prevention equipment	J 1	•
When using this product in genera	al-purpose applications, you are ki	indly requested to
take into consideration securing p		
etc., to ensure higher safety.	···· ··· ···· · ···· · · ···· ··· ···	
en ASDI Electronics Co.,Ltd.	DWG.No.	ISSUE
,	ASDIQ-SPE-075(00)	

CUSTOMER	ASDI PART No.	CUSTOMER'S DWG NO.
Each Corporation	SPAC3D28N-SERIES	

1.SCOPE

Power source inductor for mobile devices such as HDDs, DVCs,DSCs,mobile display panels, portable game devices, compact power supply LCDs, other DC to DC converters

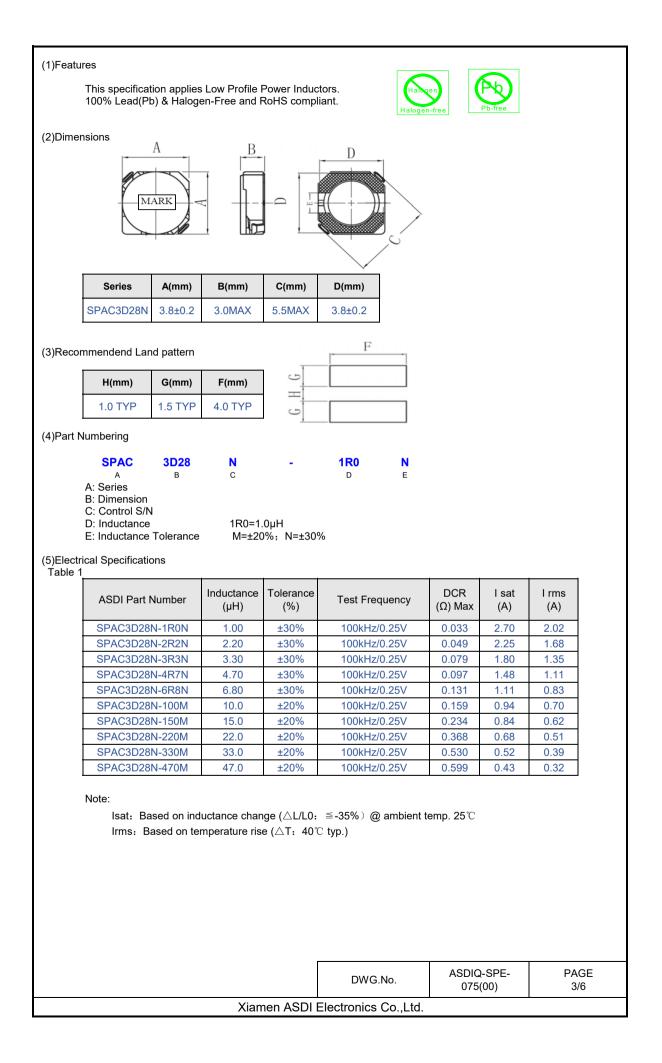
2.INDEX

Listed item	Attachment&Tables	Page
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2.Dimensions	Please see (2)	3/6
3.Recommendend Land pattern	Please see (3)	3/6
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5.Electrical Specifications	Please see (5)	3/6
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7.Soldering	Please see (7)	6/6
8.Packaging Information	Please see (8)	6/6
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10.Standard test conditions		

3.Manufacturing Location

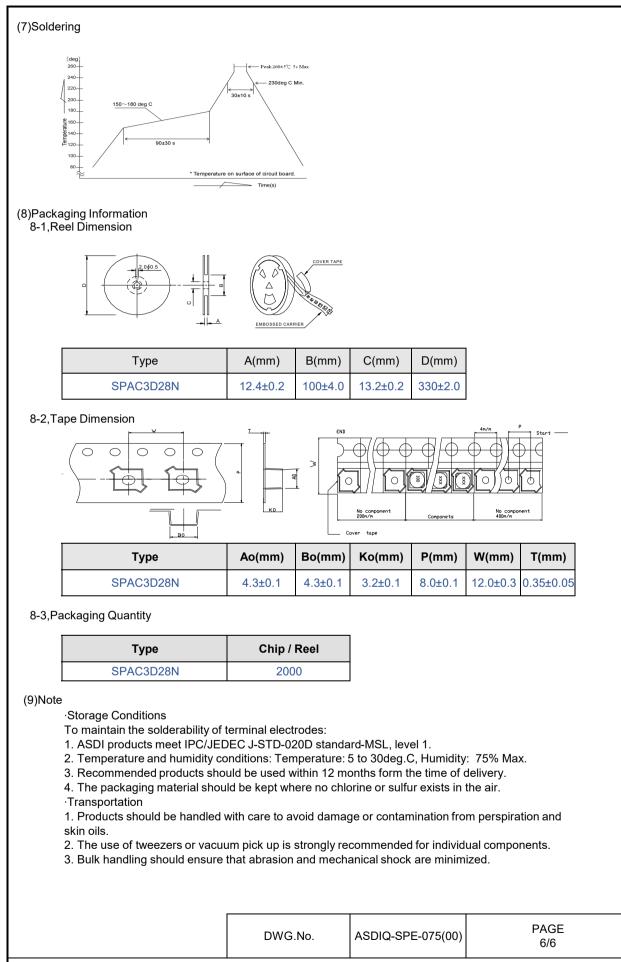
China

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Xiamen	ASDI Electronics C	o.,Ltd.



lity tests					
No.	Test item	Performance	9		Test details
1	Operating temperature	- 40 ~ +125 °C	2	Including self-	generated heat
2	Storage temperature	-40 ~ +85℃ - 5 to 40℃ for the produc			
3	Rated current				
4	Inductance (L)	Within the specified t	olerance	LCR Meter: H 0.25V	P 4285A or equivalent, 100kHz,
5	DC Resistance		c		r: HIOKI3227 or equivalent
6	Temperature characteristics	Inductance change: V	√ithin±20%	temperature ra With reference °C,change rate Measurement temperature ra With reference	of inductance shall be taken at ang within–40 $^{\circ}$ to +85 $^{\circ}$. e to inductance value at+20 e shall be calculated. of inductance shall be taken at ang within–40 $^{\circ}$ to +125 $^{\circ}$. e to inductance value at+20 e shall be calculated.
7	Resistance to flexure substrate	No damage	No damage		bles shall be soldered to the by the reflow. Delow, apply force in the direction dicating until deflection of the ches to 2mm. Porce Rod Board Example 45±2 Sample 45±2 tickness: 0.15 4.0
8	Adhesion of Terminal electrode	Shall not come off PC board.		The test samp testing board Applied force: Duration: 5s	 I 0 N, 5 s 10 N to X and Y directions. thickness: 0.15
9	Resistance to Vibration	Inductance change: Within±10% No abnormality observed in appearance.		board by the r Then it shall b conditions. Frequency: 10 Total Amplituc acceleration 1 Sweeping Met 1min. Time: 2 hour: Recovery: At I standard cond	e submitted to below test)-55Hz le: 1.5mm (May not exceed
10	Solderability	At least 90% of surface of terminal new solder.	At least 90% of surface of terminal electrode is covered by new solder.		eles shall be dipped in flux, and d in molten solder as shown in ol solution containing rosin 25% ature: 245±5℃ ec. pth: All sides of mounting be immersed.
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		2.1.0.110.		- (/	4/6

No.	Test item	Performance	Test details	
11	Resistance to soldering		The test sample shall be exposed to reflow oven a 230±5°C for 40 seconds, with peak temperature at 260±5°C for 5 seconds,2 times. Test board thickness: 1.0mm Test board material: glass epoxy-resin	
12	Thermal shock		The test samples shall be soldered to the test board by the reflow.The test samples shall be placed at specified temperature for specified time by step 1 to step 4 as shown below in sequence.The temperature cycles shall be repeated 100 cycles .Phase Temperature(°C) Time(min.)1-40±3°C2Room Temp385±2°C30±344Room TempWithin 3	
13	Damp heat life test	Inductance change: Within±10% No abnormality observed in appearance.	Test Method and Remarks The test samples shall be soldered to the test board by the reflow. The test samples shall be placed in thermostatic oven set at specified temperature and humidity as shown in below. Temperature: 60±2°C Humidity: 90~95%RH Time: 500+24/-0 hrs	
14	Loading under damp heat life test		The test samples shall be soldered to the test board by the reflow. The test samples shall be placed in thermostatic oven set at specified temperature and humidity an applied the rated current continuously as shown in below. Temperature: 60±2°C Humidity: 90~95%RH Applied current: Rated current Time: 500+24/-0 hrs	
15	Low temperature life test		The test samples shall be soldered to the test board by the reflow. After that, the test samples shall be placed at test conditions as shown in below. Temperature:-40±2°C Time:500+24/-0 hrs	
16	Loading at high temperature life test		The test samples shall be soldered to the test board by the reflow. Temperature: 85±2°C. Applied current: Rated current Time: 500+24/-0 hrs.	



Xiamen ASDI Electronics Co.,Ltd.

单击下面可查看定价,库存,交付和生命周期等信息

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