增 益 实 业

零 件 承 认 书

SPECIFICATION FOR APPROVAL

客户名称: 001

增益型号： ZE0510-102-LSBD

规格描述： 色环电感 0510 1mH 100mA 10% 立式编带

日　　期: 2022/2/25

版　　本: A

增益签核:

制订	审核	核准
夏琳		李万

客户签核:

工程	审核	核准

东莞市增益实业有限公司
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电话：0769-87321000
传真：0769-87891229

物料类型：	色环电感
日　　期:	2022/2/25
版　　本:	A

图 面 规 格 变 更 履 历 表

客户		0	料号		品名	
客户版本	增益版本	变更内容	日期	制定	审核	核准
	A	初版	2022/2/25	张翔	刘业明	柯文学

东莞市增益实业有限公司

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物料类型：	色码电感
日　　期：	2022/2/25
版　　本：	A

CUSTOMER		FULL APPROVED	
MODEL No.			
PART No.	ZE0510-102-LSBD	CONDITIONAL APPROVED	
DATE	2022-2-25		
REVISION No.	A	REJECTED	

< INDEX >

	APPROVED BY	
	CHECKED BY	
	MADE BY	张翔

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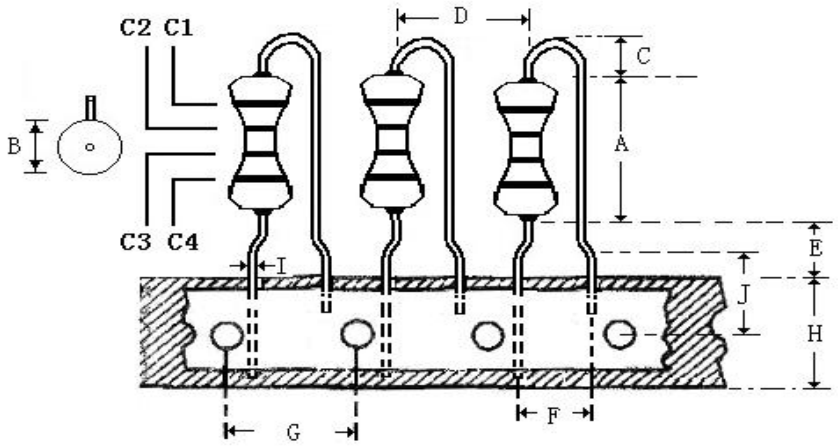
东莞市增益实业有限公司
Dongguan Zeny Industrial Co., LTD.

CUSTOMER		MADE	
MODEL No.		DATE	2022-2-25
PART No.	ZE0510-102-LSBD	PAGE	1
DESCRIPTION	FIXED INDUCTORS	REVISION	A

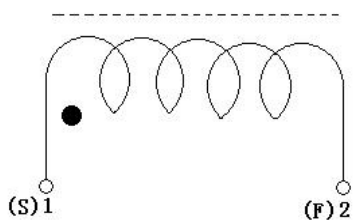
1、SHAPE & DI



C1	棕色	C2	黑色	C3	红色	C4	银色

A	10.0MAX	D	13.5±1.0	G	12.7±0.5	J	18.0±2.0
B	5.0MAX	E	12.0MAX	H	18.0±1.0		
C	2.5MAX	F	5.0±0.5	I	0.6±0.1		

2. ELECTRICAL SCHEMATICS



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3.ELECTRICAL SPECIFICATION & TEST INSTRUMENTS

MEAS. ITEM	L	Q	DCR	RatedDCCurrent	
UNIT	mH		Ω	mA	
SPEC	1.0±10%	45Min	6.0Max	100MAX	
TEST FREQ	0.796MHz/1v	0.796MHz/1v			
TEST	HP-4285A	HP-4285A	502BC		

4.MATERIAL LIST

No	Item	Material		Vendor		Rating	UL File	ROHSstate
1	Core	DRWW 4×6 B 2.0	D6	hualicheng	或同等材质供应商	150℃		Yes
2	Wire Winding	2UEWΦ0.10mm	TURNS:233 Ts	HOILUEN		130℃	E164409	Yes
3	EPOXY RESIN	NC-G		homeTown		200℃		Yes
4	PIN	Φ0.6	CP	BAI CHUAN		130℃		Yes

※REMARK※

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5.TEST DATA FOR PREPRODUCTION SAMPLE

MEAS.ITEM	L (mH)	Q	DCR (Ω)
SPEC	1.00±10%	45 MIN	6.0MAX
1	1.02	58	4.5
2	1.02	55	4.4
3	1.03	58	4.3
4	0.98	55	4.4
5	1.03	63	4.3
6	0.99	50	4.4
7	1.03	58	4.4
8	1.02	50	4.3
9	0.98	66	4.3
10	1.03	57	4.4
$\bar{x}$			
R			
YOUR SAMPLE			

TEST CONDITION: TEMP: 20℃(REF.) R.H.: 60%(REF.)

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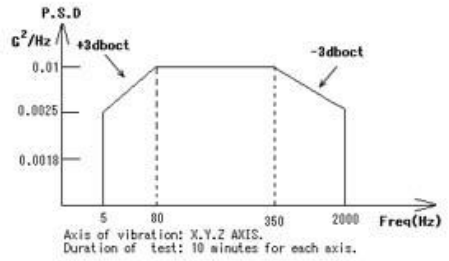
6.RELIABILITY TEST METHOD

6-1. MECHANICAL

TEST ITEM	SPECIFICATION	TEST DETAILS
Terminal pull strength	9.8(N)MIN	A pulling load should be gradually applied to the leads in a downward direction and should be monitored the value at the point of destroy.
Terminal bending strength	1CYCLE MIN	A specified load of 4.9(N) should be suspended, From the terminal then slowly inclined the 90℃, and then return to normal position ,The consecutive bends shall be done in the opposite directions.(Total 1 cycle)
Dropping	△L/L0≤±5% △Q/Q0≤±20% There is no evidence of any mechanical failures	The sample shall be dropped on a concrete floor once from 1 meter height (39 inches) Total 3 cycles.
Vibration	△L/L0≤±5% △Q/Q0≤±20% There is no evidence of any mechanical failures	
Resistance to soldering heat	There is no evidence of any mechanical failures	The sample should be immersed to a depth of 1.5mm below the lower core surface into solder at a temperature of 260℃ (+10,-0)for a duration of 5seconds(+1,-0).

6-2.ELECTRICAL

TEST ITEM	SPECIFICATION
Insulation Resistance	The insulation resistance between core to coil is over 100MΩ at500V,3SEC.
Withstand Voltage	Apply AC 500V between core to coil for one minute there shall not be any abnormality.

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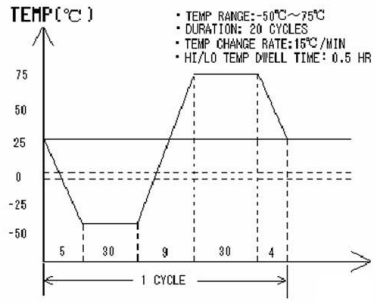
6-3.ENVIROMENT CHARACTERISTICS

TEST ITEM	SPECIFICATION	TEST DETAILS
High temperature storage	△L/L0≤±5% △Q/Q0≤±25% There is no evidence of any mechanical failures	The coil should be stored at an ambient temperature of +85±2℃for 72 hours ,after which the measurement should be made.
Low temperature storage	△L/L0≤±5% △Q/Q0≤±25% There is no evidence of any mechanical failures	The coil should be stored at an ambient temperature of -40±2℃ for 500 hours ,after which the measurement should be made.
Thermal shock	△L/L0≤±5% △Q/Q0≤±30% There is no evidence of any mechanical failures	
Humidity life test	△L/L0≤±5% △Q/Q0≤±30% There is no evidence of any mechanical failures	The rated current shall be applied to the coil at an ambient temperature +40±2℃ with relative humidity of 90% for 1000 hours.

6-4.SAFETY

TEST ITEM	SPECIFICATION	TEST DETAILS
Over load test	No abnormal smoking or fire	The twice current of the rated dc current should be applied to the coil for 5 min

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