增 益 实 业

零 件 承 认 书

SPECIFICATION FOR APPROVAL

客户名称: 0001

规格描述: ZENR4026磁胶电感规格书

日　　期: 2023/10/10

增益签核:

制订	审核	核准
夏琳	陈雨	李万

客户签核:

工程	审核	核准

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物料类型：	磁胶电感
日　　期：	2023/10/10
版　　本：	A

◆特征：

- 磁性胶水涂敷结构极大减少了蜂鸣声
- 大电流低直流阻抗
- 直接在磁芯上金属化电极,抗跌落冲击强
  经久耐用
- 闭合磁路结构设计,漏磁少,抗 EMI 能力强
- 省空间,更省电
- 符合 RoHS,无卤和 REACH

Features:

- Magnetic-resin shielded construction reduces buzz Noise to ultra-low levels
- Large Current and Low DCR
- Metallization on Ferrite Core results in excellent shock Resistance and damage-free durability
- Closed magnetic circuit design reduces leakage Flux and Electro Magnetic Interference (EMI)
- Takes up less PCB real estate and save more power Small parasitic capacitance
- RoHS, Halogen Free and REACH Compliance

◆用途：

- 广泛应用于 LED 背光板、平板电视、
  蓝光 DVD 机顶盒、笔记本电脑、台式电脑、
  服务器、显卡、便携式游戏机、个人导航系统、
  多媒体、汽车产品 、通信设备、直流转换.

Applications:

- LED backlight、Flat-screen TVs, blue-ray disc Set top box、Notebooks, desktop computers, servers, Graphic cards、Portable gaming devices, personal Navigation systems, personal multimedia devices, Automotive systemsTelecomm base station、DC-DC Converter

◆环境：

- 工作温度：-40℃ 至+125℃
  （包括线圈自身温升）

Environmental Data:

- Operating Temperature: -40℃ to +125℃
  (Including coils self-temperature rise)

◆试验设备：

- 电感值:HP4284A, HP4285A 或同等仪器
- 电流:HP4284+42841A
- 直流电阻: Chroma 16502 或同等仪器

Test Equipment:

- L:HP4284A or HP4285A LCR meter or equivalent
- Isat & Irms: HP4284+42841A
- DCR:Chroma 16502 or equivalent

◆产品型号：

Product Identification:

ZENR	8040	T100	M	-	47uH
①	②	③	④		⑤

①

类型 Type	
ZENR	闭磁路贴片磁胶电感 Shielded SMT Power Inductors

②

外形尺寸(L×W×H) (mm) External Dimensions (L×W×H) (mm)	
8040	8.0×8.0×4.0

③

Inductance
10 uH

T:编带

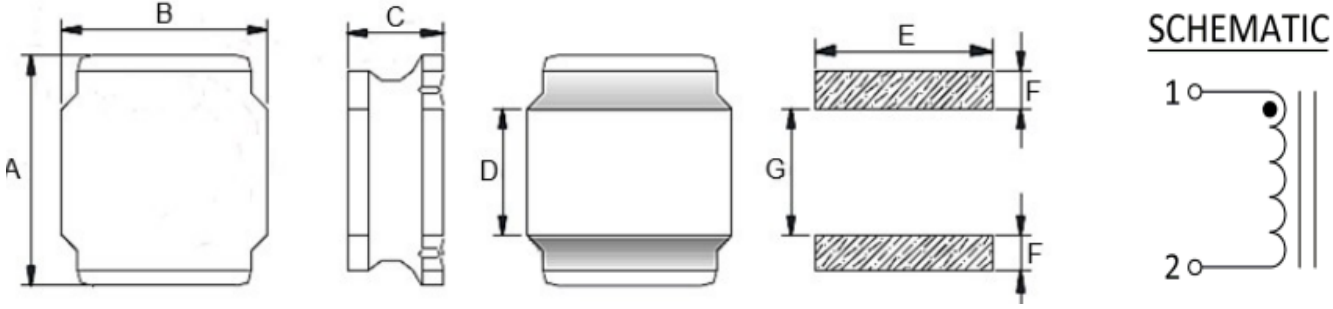
④

公差 Inductance Tolerance
K: ±10%, M: ±20%, N: ±30%

⑤ 感量注释

◆外观尺寸：

Shape and Dimensions(dimensions are in mm)：



TYPE	A	B	C Max.	D	E Ref.	F Ref.	G Ref.
ZENR4026	4.0±0.2	4.0±0.2	2.60	0.95±0.2	3.70	1.10	1.90

ZENR4026 系列

Part Number	Inductance (uH)@100KHz	DC Resistance (Ω)		额定电流 Current (A)	饱和电流 Current (A)
		Typ.	Max.		
ZENR4026T1R0N-1uH	1.00	0.024	0.031	3.00	3.30
ZENR4026T1R2N-1.2uH	1.20	0.030	0.039	2.30	3.10
ZENR4026T1R5N-1.5uH	1.50	0.030	0.039	2.30	2.40
ZENR4026T2R2M-2.2uH	2.20	0.040	0.052	2.00	2.10
ZENR4026T3R3M-3.3uH	3.30	0.050	0.065	1.70	1.80
ZENR4026T4R7M-4.7uH	4.70	0.055	0.072	1.45	1.60
ZENR4026T6R8M-6.8uH	6.80	0.065	0.085	1.30	1.50
ZENR4026T100M-10uH	10.0	0.085	0.110	1.00	1.30
ZENR4026T150M-15uH	15.0	0.110	0.143	0.90	1.10
ZENR4026T220M-22uH	22.0	0.165	0.214	0.60	0.90
ZENR4026T330M-33uH	33.0	0.270	0.351	0.55	0.70
ZENR4026T470M-47uH	47.0	0.300	0.390	0.40	0.65

※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20℃)

※ The temperature rise current value is the DC current value having temperature increase up to 40℃. (at20℃)

※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

使用注意事项
REMINDERS FOR USING THESE PRODUCTS

- 保存时间为12 个月以内，保存条件（温度5~40°C以下、湿度35 ～ 66%RH 以下），需充分注意。
  若超过保存时间，端子电极的可焊性将可能老化。
  The storage period is within 12 months. Be sure to follow the storage conditions (temperature: 5~40°C, humidity: 35 to 65% RH or less). If the storage period elapses, the soldering of the terminal electrodes may deteriorate。
- 请勿在气体腐蚀环境（盐、酸、碱等）下使用和保存。
  Do not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, etc.).
- 手上的油脂会导致可焊性降低，应避免用手直接接触端子。
  Don't touch electrodes directly with bare hands as oil secretions may inhibit soldering Always ensure optimum conditions for soldering。
- 请小心轻拿轻放,避免由于产品的跌落或取出不当而导致的损坏。
  Please always handle products carefully to prevent any damage caused bydropping down or inappropriate removing。
- 端子过度弯曲会导致断线,请不要过度弯曲端子。
  Don't bend the terminals with excessive stress in case of any wire fracture。
- 不要清洗产品，如需要清洗时请联系我司。
  Don’t rinse coils by yourself and please contact ZE if necessary。
- 请勿将本产品靠近磁铁或带有磁力的物体
  Don’t expose the products to magnets or magnetic fields
- 在实施焊接前，请务必进行预热。预热温度与焊接温度及芯片温度的温度差要在150°C 以内。
  Before soldering, be sure to preheat components. The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C.
- 安装后的焊接修正应在规格书规定的条件范围内。若加热过度可能导致短路、性能降低、寿命减少。
  Soldering corrections after mounting should be within the range of the conditions determined in the specifications. If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.
- 装置会因通电而自我发热（温度上升），因此在热设计方面需留有充分余地。
  Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.
- 非磁屏蔽型在基板设计时需注意配置线圈，受到电磁干扰可能会导致误动作。
  Carefully lay out the coil for the circuit board design of the non-magnetic shield type. A malfunction may occur due to magnetic interference.
- 当本公司产品使用在一般电子设备以外的场合,如:车载,医疗设备,军用,航空航天等,请务必联繫本公司营业部门,如超出本公司产品使用条件而引起的机器故障时,本公司概不负责。
  If ZE product will be applied in area like automotive product, medical equipment, military and aerospace except generalelectronic device, please keep ZE sales informed in advance. ZE shall not be held liable for any malfunction or breakdowncaused by using product in the condition which is inconsistent with that recommended by ZE。