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|----------|--------------------|-----------------|-----------------------------|
| ITEM P/N | PDPTAT0608A-331MIN | TEST INSTRUMENT | Zentech-3305 / Zentech502BC |
| PRODUCT | SMD Inductor | TEST FREQUENCY | 1 kHz / 0.25V |

CUSTOMER :**CUSTOMER P/N :****DESCRIPTION :** SMD INDUCTOR**P/N :** PDPTAT0608A-331MIN**REVISION NO. :** Version: 1.0**DATE :** 2016-1-9**NOTES :** STANDARD

| | |
|-------------------|--------------|
| DOCUMENTED | |
| APPROVED | Kevin |
| CHECKED | Peter |
| PREPARED | Ben |

CUSTOMER APPROVAL

company seals

Version: 1.0

SPECIFICATION FOR APPROVAL

**RoHS
COMPLIANT**

| | | | |
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| Version | REVISION ITEM | BEFORE REVISION | AFTER REVISION | DATE |
|---------|---------------|-----------------|----------------|----------|
| 1.0 | First Version | | | 2016-1-9 |
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PROD TECHNOLOGY CO., LTD.



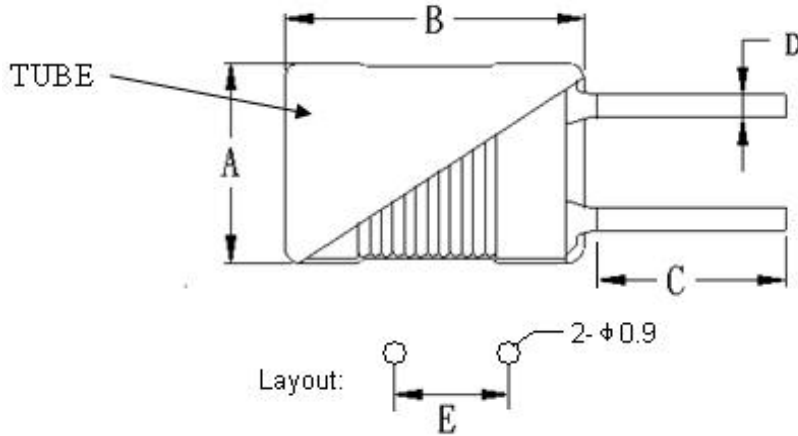
E-LIVEN TECHNOLOGY CO., LTD.
NO. 28 HO-CHENG RD, BADE CITY, TAOYUAN, TAIWAN

COIL SPECIFICATION

**RoHS
COMPLIANT**

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PACKING DIMENSIONS (mm)



| 0608A | Dimensions |
|-------|------------|
| A | 8MAX |
| B | 10MAX |
| C | 15Ref |
| D | 0.6±0.05 |
| E | 3.0±0.05 |

EXPLANATION OF PART NUMBERS

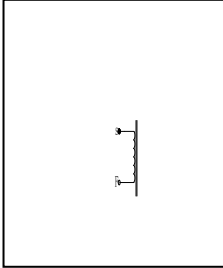
| | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|-------------|---|---|---|---|------------------------|---|---|---|-----|
| P | D | P | T | A | T | 0 | 6 | 0 | 8 | A | - | 3 | 3 | 1 | MIN |
| <u>Serial Codes</u> | | | | | | <u>Size</u> | | | | | <u>Inductance Code</u> | | | | |

ELECTRICAL CHARACTERISTICS

| ITEM P/N | @ 26 °C Ambient Temperature | | | | DCR Ω @ 25°C MAX |
|----------------------------|-----------------------------|-----------|-----------------------------------|----------------|------------------|
| | INDUCTANCE | | Typical Saturation DC Current (A) | DC Current (A) | |
| | Lo (μH) | TOLERANCE | | | |
| PDPTAT0 608A- 331MIN | 330.0 | ±7% | 0.8 | | 1.3 |

- ⊙ All test Data is referenced to 25°C ambient
- ⊙ Typical Saturation DC Current would cause Lo to drop approximately 10%
- ⊙ Operation Temperature Range : -40°C ~ 125°C

| | | | |
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ELECTRICAL SCHEMATICS

2UEW (金线顺时针绕制) =0.20=110.5TS

APPLICATION

- (1)Low profile,high current power supplies.
- (2)Battery powered devices.
- (3)DC/DC converters in distributed power system

FEATURES

- (1)ROHS compliant. (环境物质检测合格)
- (2)Super low resistance,ultra high current rating. (低电阻, 超高的额定电流)
- (3)high performance(l sat)realized by metal dust core. (高性能磁芯, 感量系数低损耗)

PACKING EXPIAIN

500pcs/袋装

| | | | |
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TEST DATA

| SPE No. | A (mm) | B (mm) | C (mm) | INDUCTANCE | |
|------------|-----------|-----------|-----------|------------|-----------|
| | 8MAX | 10MAX | 15Ref | L(0) ± 7% | 0.8 A |
| 1 | 6.66 | 9.03 | 13.44 | 330.00 | ≈70% L(0) |
| 2 | 6.67 | 9.06 | 13.26 | 336.00 | PASS |
| 3 | 6.68 | 9.01 | 13.25 | 345.00 | PASS |
| 4 | 6.66 | 9.03 | 13.58 | 346.00 | PASS |
| 5 | 6.67 | 9.06 | 13.69 | 336.00 | PASS |
| 6 | 6.68 | 9.02 | 13.47 | 338.00 | PASS |
| 7 | 6.66 | 9.01 | 13.33 | 349.00 | PASS |
| 8 | 6.65 | 9.03 | 13.32 | 352.00 | PASS |
| 9 | 6.66 | 9.02 | 13.36 | 351.00 | PASS |
| 10 | 6.67 | 9.02 | 13.35 | 339.00 | PASS |
| \bar{X} | 6.67 | 9.03 | 13.41 | 338.00 | PASS |
| R | 0.03 | 0.05 | 0.44 | 343.00 | |
| | | | | 16.00 | |

© All test Data is referenced to 25°C ambient

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ANNOUNCEMENTS

产品注意事项

使用本产品时，请注意以下事项

- ◎ 产品保存期限为12个月，保存条件：温度5~40℃，湿度10~80%RH以内，超过保存期限可能会使产品端子电极发生氧化。
- ◎ 请勿在极端环境下使用和保存（高盐，强酸，强碱，强辐射等）。
- ◎ 产品焊接前，请进行预热；预热温度与焊接温度之间温差建议控制在150℃以内。
- ◎ 产品焊接后需重新拆卸焊接修正时，请遵循规格书规定的条件范围；过高的加热温度以及反复的拆卸可能会导致产品失效。
- ◎ 产品焊接到线路板后，请注意不可因线路板整体变形或局部变形而施加给电感剩余应力，这可能会导致电感发生破裂，脱落，以致失效。
- ◎ 产品请勿接触清洗剂，酒精等液体，这会侵蚀产品本体，从而导致产品失效。
- ◎ 产品通电后温度会随电流的增大而上升，设计时请务必考虑留有余量。
- ◎ 过高的静电会对产品产生永久性损害，请注意静电防护。
- ◎ 产品通电过程请勿触摸产品任何部位，防止触电。
- ◎ 本产品作为磁性产品，设计时请务必考虑周边元器件与本产品可能产生的相互影响。
- ◎ 本产品适用于一般电子设备，如：AV设备，通信设备，家电产品，娱乐设备，计算机设备，个人设备，办公设备，计测设备，工业机器人等。且该一般电子设备需在常规的操作和使用方法环境下使用。对于需要高度安全性和可靠性的，或者因本产品失效造成设备故障，误操作，运转不良等危及到人的生命身体及财产安全，以及对社会产生较大不良影响的特殊用途，设计使用前务必同本公司沟通，设计使用者如在未取得我司书面同意状况下使用造成任何后果，我司不予承担。特殊用途包含但不限定如下清单：

1 军用设备

8 关系到国防安全的设备

2 运输设备（汽车，轨道交通产品，船舶等）

9 防灾赈灾设备

3 航空，航天设备

10 各种安规设备

4 发电控制设备

11 紧急救护设备

5 核动力相关设备

12 其他被认定为特殊用途的设备

6 爆炸引燃控制设备

7 交通控制设备

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