

零件承认书

SPECIFICATION FOR APPROVAL

客户名称: 0001

规格描述: ZCD功率电感系列规格书

日期: 2024/08/10

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



东莞市增益实业有限公司

地址: 东莞市塘厦镇林村塘厦大道北552号

电话: 0769-87321000

传真: 0769-87891229

物料类型:

功率电感

日期:

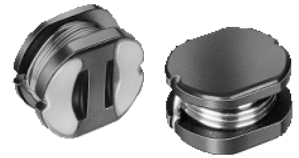
2024/08/10

版本:

A



ZCD Power Inductors 功率电感系列



■ Features

- 1.Excellent solderability and high heat resistance.
- 2.Excellent terminal strength construction.
- 3.Packed in embossed carrier tape and can be used by automatic mounting machine.

● 特征

- 1.絕佳的焊錫性及高溫耐熱性。
- 2.絕佳的端面強度結構。
- 3.捲軸包裝，可用於自動插件機器。

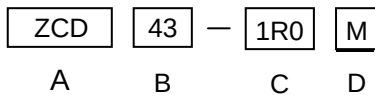
■ Applications

Power supply for VCR,OA equipment ,LCD television set, notebook, DC to DC converters, DC to AC inverters etc.

● 用途

VCR、辦公室自動設備、液晶電視機、筆記型電腦、直流-直流整流器、直流-交流換流器等的電源供應器。

■ Lead Free Part Numbering



A.Series

B.Dimension

A x C

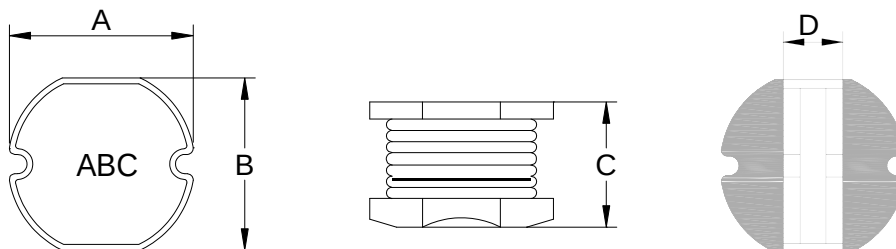
C.Inductance

1R0=1.0uH,100=10uH,101=100uH

D.Inductance Tolerance

K=±10%,M=±20%

■ Dimensions



Series	A	B	C	D ref
ZCD31	3.5±0.3	3.0±0.3	1.6±0.3	1.0
ZCD32	3.5±0.3	3.0±0.3	2.1±0.3	1.0
ZCD42	4.5±0.3	4.0±0.3	2.0±0.3	1.4
ZCD43	4.5±0.3	4.0±0.3	3.2±0.3	1.4
ZCD52	5.8±0.3	5.2±0.3	2.0±0.3	1.6
ZCD53	5.8±0.3	5.2±0.3	3.0±0.3	1.6
ZCD54	5.8±0.3	5.2±0.3	4.5±0.3	1.6
ZCD73	7.8±0.3	7.0±0.3	3.5±0.3	2.4
ZCD75	7.8±0.3	7.0±0.3	5.0±0.3	2.4
ZCD104	10.0±0.3	9.0±0.3	4.0±0.3	3.1
ZCD105	10.0±0.3	9.0±0.3	5.4±0.3	3.1

■ZCD75 Series

Part Number	Inductance (μ H)	Test Frequency (Hz)	DCR (Ω)max	IDC (A)max
ZCD75-8R2M	8.2 $\pm$ 20%	100K/0.25V	0.04	2.5
ZCD75-681K	680 $\pm$ 10%	1K/0.25V	3.40	0.3
ZCD75-821K	820 $\pm$ 10%	1K/0.25V	4.80	0.28
ZCD75-102K	1000 $\pm$ 10%	1K/0.25V	5.20	0.24
ZCD75-152K	1500 $\pm$ 10%	1K/0.25V	6.40	0.19
ZCD75-222K	2200 $\pm$ 10%	1K/0.25V	7.85	0.15
ZCD75-332K	3300 $\pm$ 10%	1K/0.25V	8.20	0.12
ZCD75-103K	10000 $\pm$ 10%	1K/0.25V	32.0	0.155

■ZECD105 Series

Part Number	Inductance (μ H)	Test Frequency (Hz)	DCR (Ω)max	IDC (A)max
ZECD105-102K	1000 $\pm$ 10%	1K/0.25V	3.70	0.24
ZECD105-103K	10000 $\pm$ 10%	1K/0.25V	24.5	0.175

- * The maximum rated current is a DC current which causes initial inductance to decrease by 25% or temperature to rise by 40°C, whichever is smaller (at ambient reference temperature: 20 °C).
- * Operating Temperature: -40°C to +125°C.