

惠州市德立电子有限公司

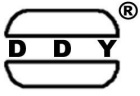
HUIZHOU DELI ELECTRONICS CO., LTD

CUSTOMER:		REV NO:	A1.0
DESCRIPTION:	COMMON MODE CHOKE	PAGE NO:	PAGE 1 OF 6
PART NO:	WBA4532L系列	SN.	
CUSTOMER NO:		DATE:	2021年8月26日

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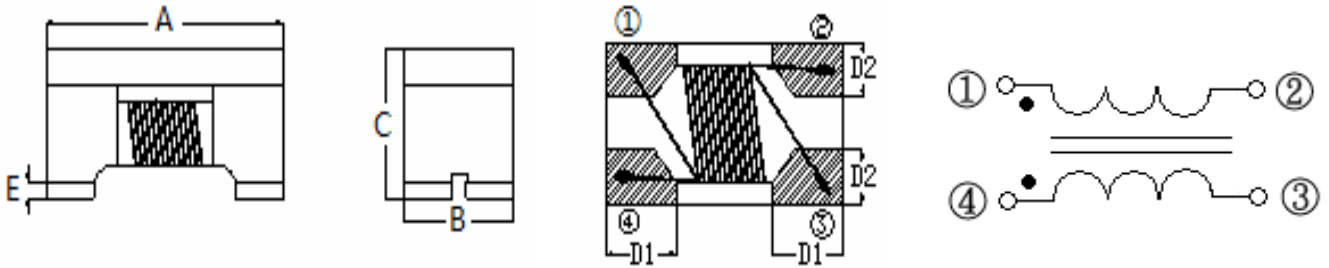




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**1. SHAPE & DIMENSION**

UNIT:mm



CODE	A	B	C	D1	D2	E
DIMENSION	4.50±0.20	3.20±0.20	2.80±0.2	1.00 Typ.	1.20Typ.	0.50Typ.

**2. PART NUMBERING SYSTEM**

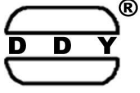
WBA □□□□ □ □□□ □ □ — □ — □□  
 1 2 3 4 5 6 7 8

- 1 PRODUCT SYMBOL (产品代号)
- 2 DIMENSIONS (规格尺寸)
- 3 MATERIAL (芯片类型)
- 4 INDUCTANCE VALUE (感量)
- 5 TOLERANCE (公差) : +50%/-30%(省略不标识)
- 6 PACKAGING (包装方式) : T-编带盘装; B-散装
- 7 INTERNAL CODE (内部代码) : 无特殊要求, 缺省此项
- 8 E.P. (环保) : LF—Lead Free HF—Halogen Free FP—Red Phosphor Free

**3. GENERAL SPECIFICATION**

- a. Rating DC current: Temperature rise(ΔT) is 40°C approximately at Irms
- b. Operating temp.: -40°C ~ +85°C
- c. Storage temp.: -10°C ~ +40°C R.H.: 65% Max
- d. Moisture sensitivity level (MSL) 2 (1 year floor life at <30°C/65% relative humidity)

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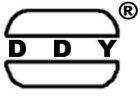
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**4. Electrical Characteristics List**

NO.	Part Number	Z (Ω)	L (μH)	Rdc	Idc	Rated Voltage	Insulation Resistance
		10MHz	100KHz/0.1V	(Ω)Max	(mA)Max	Volts	(MΩ) Min
1	WBA4532L110T-G-HF	300 min	11	0.6	360	50	10
		600 typ					
2	WBA4532L220T-G-HF	500 min	22	1	310	50	10
		1200 typ					
3	WBA4532L510T-G-HF	1000 min	51	1	230	50	10
		2800 typ					
4	WBA4532L101T-G-HF	2000 min	100	2	200	50	10
		5800 typ					
5	WBA4532L201T-G-HF	5000 min	200	4.5	100	50	10
		14000 typ					

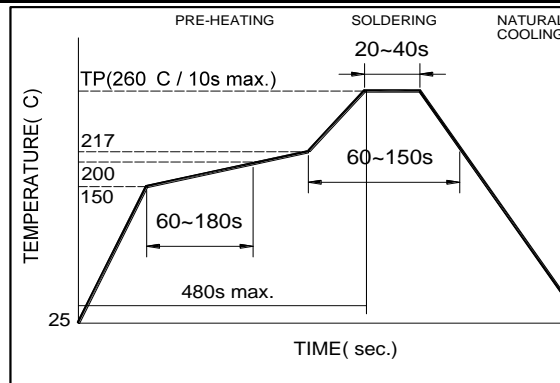
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**5. SOLDERING CONDITIONS**

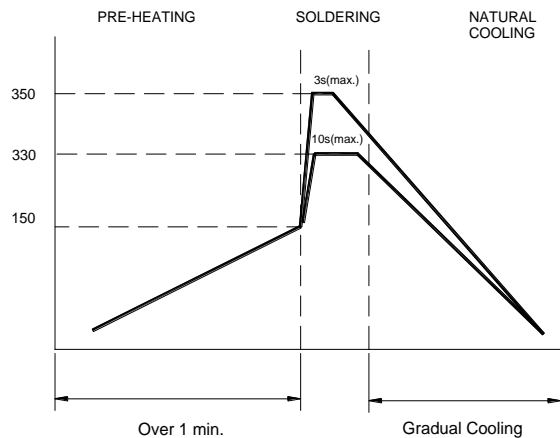
**Figure 1.  
Re-flow Soldering  
(Lead Free)**



Note:

- Preheat circuit and products to 150°C
- 260°C tip temperature (max)
- Reflow times: no more than 2 times
- Solder paste thickness: the best 0.08mm is ,but max is 0.1mm

**Figure 2.  
Hand Soldering**



Note:

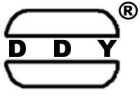
- Use a 20 watt soldering iron with tip diameter of 1.0mm
- Limit soldering time to 3 sec.

**6.MATERIAL LIST**

NO	DESCRIPTION	DESCRIPTION	SUPPLIER	REMARK
1	Upper Plate	Ferrite	Flag Magnetic or equivalent	or equivalent
2	Core	Ferrite Core	Flag Magnetic	or equivalent
3	Wire	Enameled Copper Wire	Elektrisola	or equivalent

REMARK:

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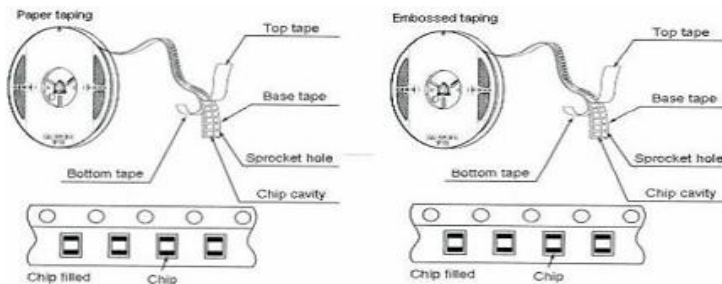
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**6. PACKAGING(unit: mm)**

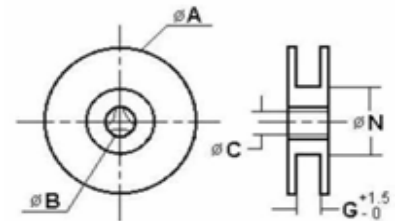
Type	4532
Quantity	500

**TAPING DRAWINGS**

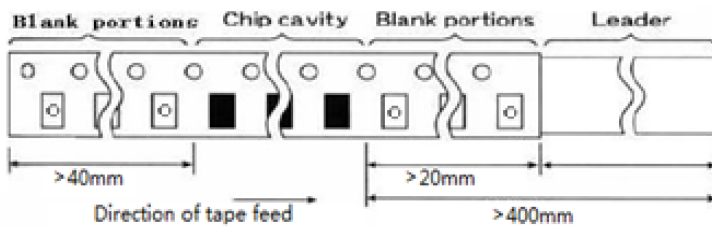


**REEL DIMENSIONS(UNIT:mm)**

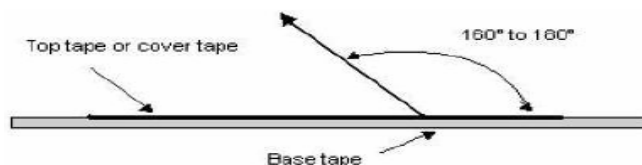
	A	B	C	N	G
CF-12	178±2.0	22±2.0	12.5±1.5	98±2.0	12



**LEADER AND BLANK PORTION**



**PEELLING OFF FORCE:0.05 to 0.7N in the direction show below.**



**注意:**

此物料不涉及汽车或相关产品方面的应用，否则，由此引起的一切品质和责任问题，我司将概不承担。

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[PH9408.105NLT](#) [PH9408.494NLT](#) [PAC6006.104NLT](#)