

深圳市方磁電子有限公司
SHENZHEN FOUNDS ELECTRONICS CO., LTD

【物料承認書】

APPROVAL SHEET

客戶 (Customer) : _____

產品名稱 (Description) : WIRE WOUND TYPE COMMON MODE FILTER

客戶料號 (Cus P/N) : _____

料號 (Part NO) : FSWBA3416L400T-D-HF

日期 (Date) : 2020/12/01

版本 (Version) : **A2.0**

核准 APPROVED BY	審核 CHECKED BY	製作 DRAWN BY
VincentShang	TopoCheng	AbbyShi

Please sign back after confirmation:

Client signature: Qualified Unqualified

批准 APPROVAL	審核 CHECKED	檢驗 CONFORM

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<http://www.ele-founds.com>



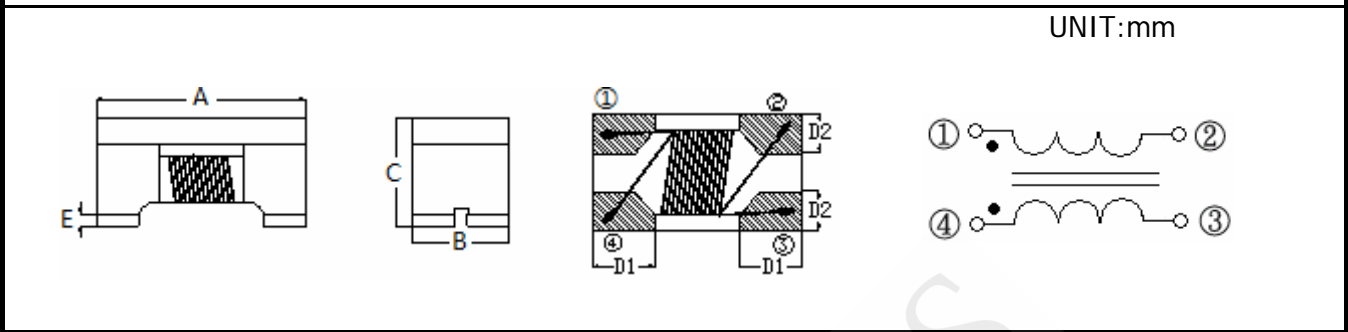
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DESCRIPTION:	WIRE WOUND TYPE COMMON MODE FILTER	PAGE NO:	PAGE 1 OF 7
PART NO:	FSWBA3416L400T-D-HF	SN.	201201049
CUSTOMER NO:		DATE:	2020年12月1日

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1.SHAPE & DIMENSION



CODE	A	B	C	D1	D2	E	
DIMENSION	3.40±0.20	1.60±0.20	2.0±0.20	0.64 TYP	0.66 TYP	0.12 TYP	

2. ELECTRICAL CHARACTERISTICS @25°C

Part Number	L	Freq	Rdc	Irms	Rated Voltage	Min Insulation Resistance
	(μH)MIN	(KHz)	(Ω)max	(mA)max	Volts	MΩ
FSWBA3416L400T-D-HF	40	100/0.1V	2.0	100	50	10

3. PART NUMBERING SYSTEM

FSWBA □□□□ □ □□□ □ □ — □□
 1 2 3 4 5 6 — 7

- 1 PRODUCT SYMBOL (产品代号)
- 2 DIMENSIONS (规格尺寸)
- 3 MATERIAL (芯片类型)
- 4 INDUCTANCE (电感量)
- 5 TOLERANCE (公差)
- 6 PACKAGING (包装方式) : T-编带盘装; B-散装
- 7 E.P. (环保) : LF—Lead Free HF—Halogen Free FP—Red Phosphor Free

4.GENERAL SPECIFICATION

a. Rating DC current: Temperature rise(ΔT) is 40°C approximately at Irms.

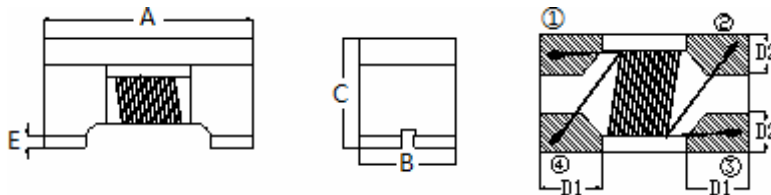
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5. TEST DATA FOR SAMPLES

TEST ITEM	L	R _{dc}	A	B	C	D1	D2
	(μ H)	(Ω)	(mm)	(mm)	(mm)	(mm)	(mm)
CON.	100KHz/0.1V	At 25°C	3.40 \pm 0.20	1.60 \pm 0.20	2.0 \pm 0.20	0.64 TYP	0.66 TYP
SPEC.	40MIN	2.0 MAX					
1	51.0	1.230	3.41	1.63	2.02	0.64	0.62
2	52.0	1.240	3.38	1.60	1.99	0.62	0.64
3	51.0	1.200	3.39	1.62	1.98	0.65	0.67
4	53.0	1.210	3.42	1.61	2.01	0.63	0.64
5	54.0	1.230	3.39	1.61	2.00	0.65	0.62
6	51.0	1.220	3.38	1.60	1.99	0.62	0.61
7	50.0	1.240	3.39	1.60	1.98	0.62	0.63
8	50.0	1.230	3.41	1.62	2.01	0.64	0.66
9	51.0	1.240	3.43	1.60	2.01	0.63	0.63
10	53.0	1.230	3.43	1.63	2.01	0.63	0.66
X	51.6	1.227	3.40	1.61	2.00	0.63	0.64
R	4.0	0.040	0.05	0.03	0.04	0.03	0.06

图示:

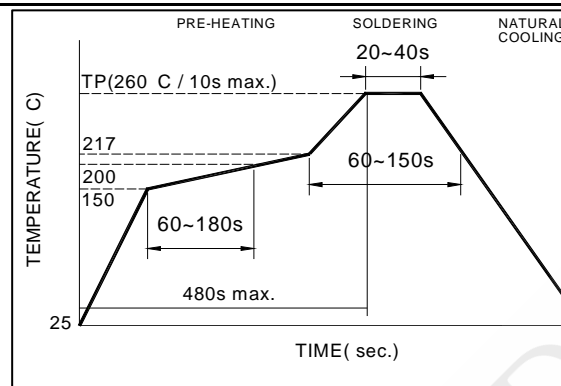


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6. SOLDERING CONDITIONS

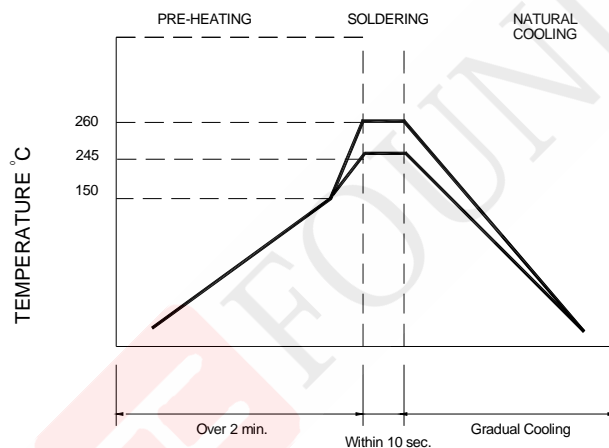
**Figure 1.
Re-flow
Soldering (Lead
Free)**



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

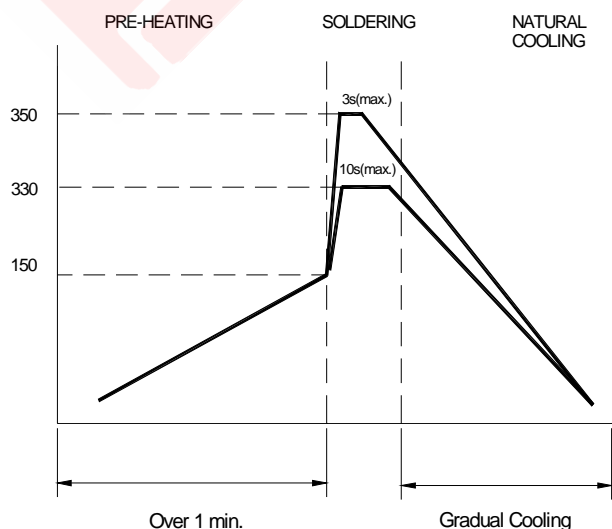
**Figure 2.
Wave Soldering**



Note :

- Never contact the ceramic with the iron tip
- 1.0mm tip diameter (max)

**Figure 3.
Hand Soldering**



Note:

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

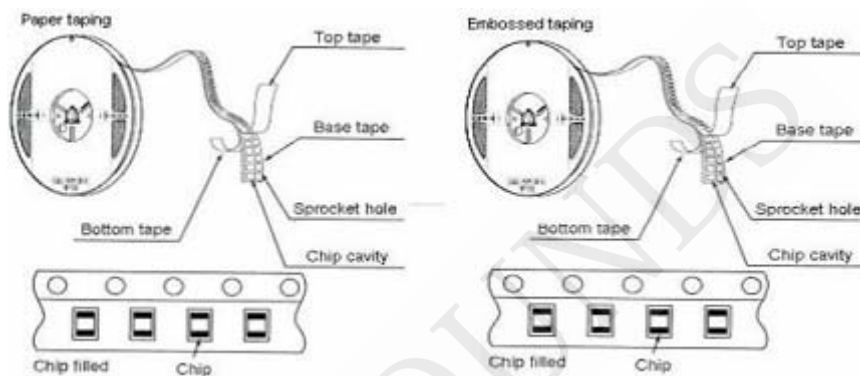
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7. PACKAGING(unit: mm)

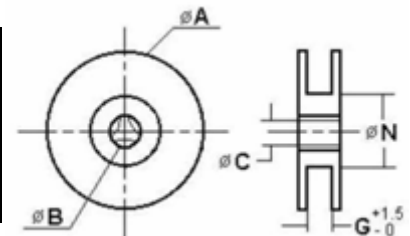
Type	1206	1210	2012	3216	4532
Quantity	2000	2000	2000	2000	500

TAPING DRAWINGS

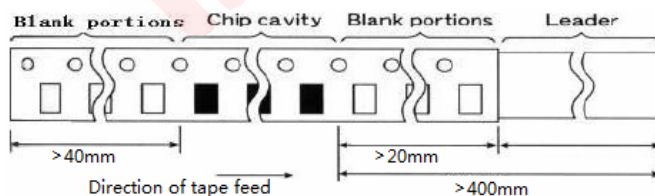


REEL DIMENSIONS(UNIT:mm)

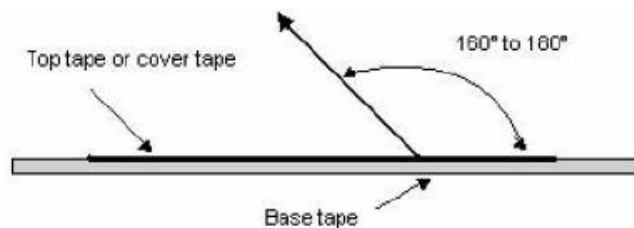
	A	B	C	N	G
CF-8	178±2.0	22±2.0	12.5±1.5	57±2.0	8
CF-12	178±2.0	22±2.0	12.5±1.5	98±2.0	12



LEADER AND BLANK PORTION



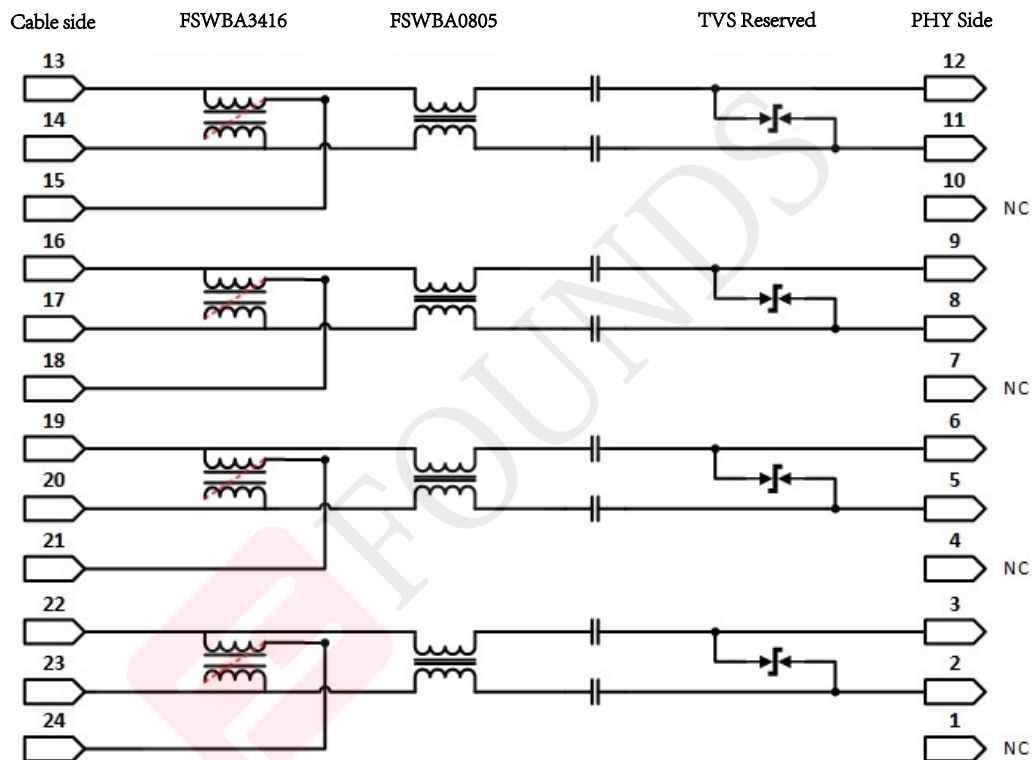
PEELLING OFF FORCE:0.05 to 0.7N in the direction show below.



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8. YPICAL APPLICATION



Typical Application

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