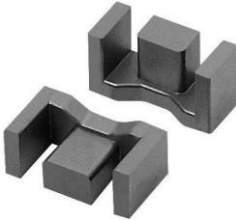


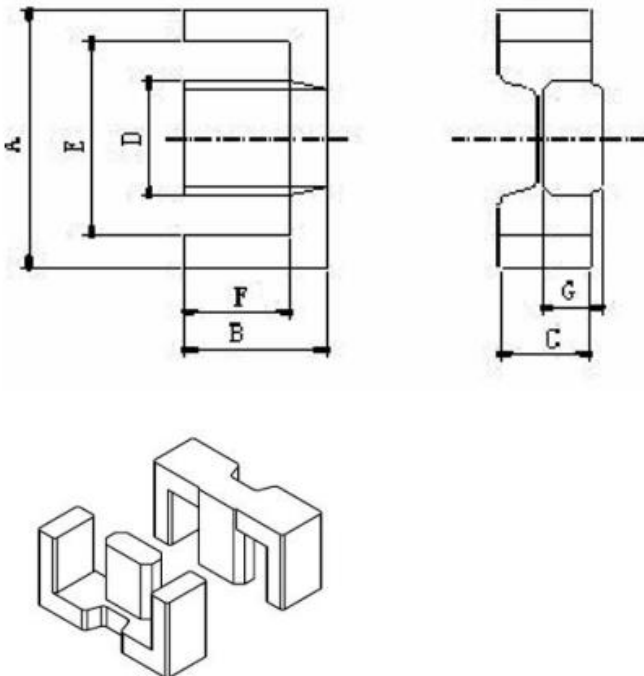
CUSTOMER ELTECH, LtdDATE 2016-4-9

SPECIFICATION FOR APPROVAL
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CUSTOMER P/N	FW97-EFD15/15/5 GAP=0.4mm
FERRIWO P/N	FW97-EFD15/15/5 GAP=0.4mm
SPEC.NO.	FSN160409ABF
CORE SHAPE	

APPROVED BY:

## 1. DIMENSIONS (mm)

	DIMENSIONS(mm)	
	A	15.0±0.4
	B	7.5±0.2
	C	4.65±0.2
	D	5.3±0.2
	E	11.0±0.35
	F	5.5±0.25
	I	2.4±0.1

CORE PARAMETERS	
Effective Length $L_e$	34mm
Effective Cross Area $A_e$	15mm <sup>2</sup>
Effective Volume $V_e$	510mm <sup>3</sup>
Approx. Weight $W$	2.7g/Prs

Item:	P/N:	SPEC. /N
FERRITE CORE	FW97-EFD15/15/5 GAP=0.4mm	FSN160409ABF

## 2. ELECTRICAL CHARACTERISTICS

ITEMS	SPEC	TESTING METHOD	TESTING INSTRUMENT
INDUCTANCE	GAP=0.4mmX2 for 2 pcs cores GAP 0.4mm the one pieces	1KHZ, 1V, 25±3℃;	HP4284 OR YD2810
POWER LOSS	0.27 W max	100kHz 200mT; 100 ±3℃	SY8232 OR CH258

## 3.MATERIAL CHARACTERISTICS

MATERIAL: FW97

CHARACTERISTICS		UNIT	VALUE
INITIAL PERMEABILITY	$\mu_i$	—	2000±25%
SATURATION MAGNETIC FLUX DENSITY (H=1194A/m)	Bs	mT ( 25/100℃ )	520
			410
REMANENT FLUX DENSITY	Br	MT ( 25℃ )	135/60
COERCIVE FORCE	Hc	A/m ( 25℃ )	13/7
RELATIVE LOSS FACTOR	Tan $\delta$ /ui	—	
RELATIVETEMP.FACTOR	$\alpha_{uir}$	—	
CURIE TEMP.	Tc	℃	>220
ELECTRICAL RESISTIVITY	$\rho$	$\Omega$	6.5
DENSITY	d	kg/m <sup>3</sup>	4.8×10 <sup>3</sup>
Item:	P/N:	SPEC. /N	
FERRITE CORE	FW97-EFD15/15/5 GAP=0.4mm	FSN160409ABF	

#### 4. Maximum chip off:

a.

The depth of crack in the ground surface should be no more than 0.3mm, length is no more than 1/4 length of lengthen line. In the non-ground surface, the depth should be no more than 0.5mm length is no more than 1/3 length of lengthen line.

b. 对于磁芯的外观检验方面，执行如下标准规格：

		接合面	其他表面
破损	1 处破损的面积	≤1.7mm <sup>2</sup>	≤3.0mm <sup>2</sup>
	2 处以上破损面积的合计	≤3.0mm <sup>2</sup>	≤8.0mm <sup>2</sup>
	破损深度	≤1.7mm	≤3.0mm
其他	实际使用中无有害毛刺，裂纹，气孔等		

#### 5. (Inspection Method) :

According to GB/T2828.1-2003.one time normal random sampling,Inspect level II ,AQL.should be as follows;

	AQL	Inspect Item
A	0.65	Electromagnetic Property
B	1.0	Outside Size
C	1.5	Outside Quality

#### 6.Packing:

plastic sack is used to inside packing,paper box is used to outside packing,Qualify Certification is attached on every box,including Item (Product name or type),Quantity,Lot No.and Tester.

#### 6.2.QTTY in carton

Item	(PRS/CTN)	Remark
FW97-EFD15/15/5 GAP=0.4mm		

Item:	P/N:	SPEC./N
FERRITE CORE	FW97-EFD15/15/5 GAP=0.4mm	FSN160409ABF