

CUSTOMER    ELTECH Ltd.DATE    2016-2-20

SPECIFICATION    FOR    APPROVAL
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CUSTOMER P/N	FWS10K-T25/15/10 Coated
FERRIWO P/N	FWS10K-T25/15/10 Coated
SPEC.NO.	FSN160220ABF
CORE SHAPE	

APPROVED BY:
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## 1. DIMENSIONS(mm)

	<b>DIMENSIONS(mm)</b>	
	BEFORE COATING	
	D1	25.0±0.50
	D2	15.0±0.40
	H	10.0±0.30
	AFTER COATING	
	D1	26.3MAX
	D2	13.8 MIN
	H	11.0MAX

### CORE PARAMETERS

Effective Length $l_e$	60.18 mm
Effective Cross Area $A_e$	48.92 mm <sup>2</sup>
Effective Volume $V_e$	2944.42 mm <sup>3</sup>
Approx. Weight W	15.08 g/Prs

Item:	P/N:	SPEC./N
FERRITE CORE	FWS10K-T25/15/10 Coated	FSN160220ABF

## 2. ELECTRICAL CHARACTERISTICS

ITEMS	SPEC	TESTING FREQ	TESTING INSTRUMENT
INDUCTANCE	AL=10000nH/N <sup>2</sup> ±30%	1kHz,0.3V	HP4284A

## 3.MATERIAL CHARACTERISTICS

MATERIAL: FWS10K

CHARACTERISTICS		UNIT	VALUE
INITIAL PERMEABILITY	μi	—	10000 ± 30%
SATURATION MAGNETIC FLUX DENSITY (H=1194A/m)	Bs	mT ( 25/100℃ )	400
REMANENT FLUX DENSITY	Br	MT ( 25/100℃ )	90
COERCIVE FORCE	Hc	A/m ( 25/100℃ )	7.2
RELATIVE LOSS FACTOR	Tanδ/ui	—	≤7 (10KHz)
RELATIVETEMP.FACTOR	αuir	—	-0.5~1.5
CURIE TEMP.	Tc	℃	>120
ELECTRICAL RESISTIVITY	ρ	Ω	0.15
DENSITY	d	kg/m <sup>3</sup>	4.9×10 <sup>3</sup>
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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	≤0.7mm <sup>2</sup>	≤1.0mm <sup>2</sup>
	2 处以上破损面积的合计	≤2.0mm <sup>2</sup>	≤5.0mm <sup>2</sup>
	破损深度	≤0.7mm	≤1.0mm
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. QTY in carton

Item	(PRS/CTN)	Remark
FWS10K-T25/15/10 Coated		

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