



CUSTOMER ELTECH

DATE 2024-5-31

SPECIFICATION FOR APPROVAL

CUSTOMER P/N	ELP14+I14
FERRIWO P/N	FW44-EI14-5-5A
SPEC.NO.	FSN240531ABD
CORE SHAPE	

APPROVED BY:

1. DIMENSIONS (mm)

DIMENSIONS(mm)	
A	14.0±0.3
B	3.5±0.15
C	5.0±0.20
D	3.0±0.1
E	10.52MIN
F	1.9MIN
G	1.8±0.1

CORE PARAMETERS	
Effective Length L_e	16.58mm
Effective Cross Area A_e	15.18 mm ²
Effective Volume V_e	251.7mm ³
Approx. Weight W	g/Prs

Item:	P/N:	SPEC. /N
FERRITE CORE	FW44-EI14-5-5A	FSN240531ABD

2. ELECTRICAL CHARACTERISTICS

ITEMS	SPEC	TESTING METHOD	TESTING INSTRUMENT
INDUCTANCE	L=144uH±25%	1KHz,0.3V,10TS, 25±3℃	HP4284A

3.MATERIAL CHARACTERISTICS

MATERIAL: FW44

CHARACTERISTICS		UNIT	VALUE
INITIAL PERMEABILITY	μ_i	—	2400±25%
SATURATION MAGNETIC FLUX DENSITY (H=1194A/m)	Bs	mT (25/100℃)	500
			390
REMANENT FLUX DENSITY	Br	MT (25/100℃)	110
COERCIVE FORCE	Hc	A/m (25/100℃)	13
RELATIVE LOSS FACTOR	Tanδ/μi	—	
RELATIVETEMP.FACTOR	α _{air}	—	
CURIE TEMP.	T _c	℃	>215
ELECTRICAL RESISTIVITY	ρ	Ω	6.5
DENSITY	d	kg/m ³	4.8×10 ³
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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	≤1.7mm ²	≤3.0mm ²
	2 处以上破损面积的合计	≤3.0mm ²	≤8.0mm ²
	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.

Item	(PRS/CTN)	Remark
FW44-EI14-5-5A		

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