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E-188-77

Features

MnZn ferrite material with range up to 100 kHz for wide range of high and low flux density inductive designs.

Measurements are for 1 piece (a half). Kits contain 1 bobbin for center connection, and 2 core halves (2 pieces).

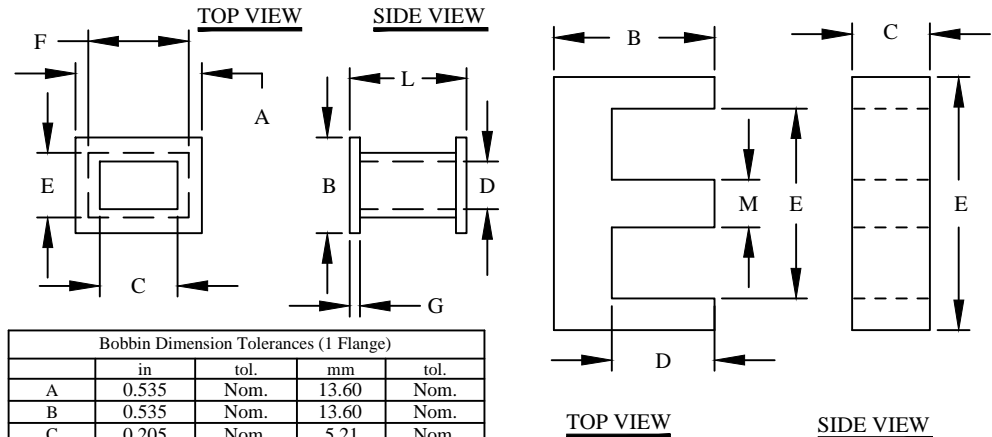
Electrical Specifications

Item	Unit/Symbol	Condition	Value	Tol.
A_L	nH/N ²	@ 10 KHz	825	Min.
L_e	cm	N/A	4.0	± 10%
A_e	cm ²	N/A	0.225	± 10%
V_e	cm ³	N/A	0.900	± 10%
Initial Permeability	μ_0	@ B < 10 gauss	2000	Nom.
Temp. Coeff. Of initial Permeability	%, °C	20 - 70 °C	0.7	Typ.
Coercive Force	H_c	oersted	0.30	Typ.
Residual Flux Density	Gauss, B_r	N/A	1800	Typ.
Flux Density	Gauss, B	Initial (B), oersted	4900	Typ.
	Gauss, H	@ Field Strength (H), oersted	5	Typ.
Curie temperature	°C	T_c	> 200	Nom.
Resistivity	Ω cm, ρ	@ Field Strength	10 ²	Typ.
Loss Factor	10 ⁻⁶ , $\tan \delta / \mu$	Initial	15	Typ.
	MHz	@ Frequency	0.1	Typ.

Dimensions

	A, LH (Length)	B, W (Width)	C, HT (Height)	D	E	M
In	0.760	0.318	0.187	0.225	0.562	0.187
Tol.	± 0.016	- 0.009	± 0.008	+ 0.009	Min.	- 0.014
mm	19.30	8.20	4.75	5.60	14.30	4.95
Tol.	± 0.40	- 0.25	± 0.20	+ 0.25	Min.	- 0.35
Weight 2.40 g						

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	AP.	DATE
A		Production release	EO	11/9/13	JL	11/9/13



Bobbin Dimension Tolerances (1 Flange)				
	in	tol.	mm	tol.
A	0.535	Nom.	13.60	Nom.
B	0.535	Nom.	13.60	Nom.
C	0.205	Nom.	5.21	Nom.
D	0.205	Nom.	5.21	Nom.
E	0.250	Nom.	6.35	Nom.
F	0.250	Nom.	6.35	Nom.
G	0.025	Nom.	0.635	Nom.
L	0.420	Nom.	10.70	Nom.

For additional detail, specifications and charts see:

http://www.bytemark.com/products/ferrite_matl.htm

CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
		PARTS LIST	
AUTOCAD	X	www.coilws.com www.cwsbytemark.com	CWSBYTE MARK 353 West Grove Ave. Orange, CA. 92865
SOLIDWORKS			
SIGN	DATE	E Core Material 77, MnZn	
DRAWN	EO 11/9/13		
CHECKED	JL 11/9/13		
ENGR.	JL 11/9/13		
APPR.	JL 11/9/13	SIZE DWG. NO.	REV
		B E-188-77	A
		SCALE	SHEET 1 OF 1
		N/A	

UNLESS OTHERWISE SPECIFIED
 DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
 ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].
 TOLERANCE INCHES:
 .XXX=±.005 .XX=±.015 $\sphericalangle=±0°30'$
 TOLERANCE METRICS:
 .XXX=±.127 .XX=±.38 $\sphericalangle=±0°30'$
 ANGLE PROJECTION
 DO NOT SCALE DRAWING