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Features

MnZn ferrite material with high permeability for broadband and pulse transformers applications. Also intended for common-mode inductor designs.

Burnished to break sharp edges, can contain Parylene C coat at smaller diameters from the length of 9.5mm (0.375") or a uniform coating of thermo-set plastic at larger dimensions (if part numbers ends with a C).

F-37-75

Electrical Specifications

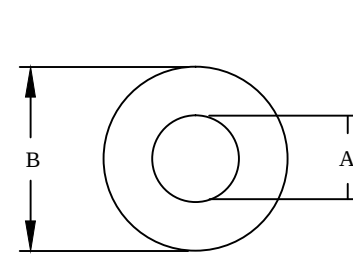
Item	Unit/Symbol	Condition	Value	Tol.
A _L	nH/N ²	@ 10 KHz	975	± 20%
L _e	cm	N/A	1.30	± 10%
A _e	cm ²	N/A	0.020	± 10%
V _e	cm ³	N/A	0.03	± 10%
Initial Permeability	μ ₀	@ B < 10 gauss	5000	± 20%
Temp. Coeff. Of initial Permeability	%, °C	20 - 70 °C	0.6	Typ.
Coercive Force	H _c	oersted	0.16	Typ.
Residual Flux Density	Gauss, B _r	N/A	1400	Typ.
Flux Density	Gauss, B	Initial (B), oersted	4300	Typ.
	Gauss, H	@ Field Strength (H), oersted	5	Typ.
Curie temperature	°C	T _c	> 140	Nom.
Resistivity	Ω cm, ρ	@ Field Strength	10 ²	Typ.
Loss Factor	10 ⁻⁶ , tanδ / μ	Initial	15	Typ.
	MHz	@ Frequency	0.1	Typ.

Dimensional Tolerances

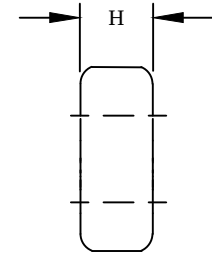
	in	tol.	mm	tol.
Case				
B (Outer Diameter)	0.375	± 0.009	9.50	± 0.20
A (Inner Diameter)	0.187	± 0.006	4.75	± 0.15
H (Height)	0.125	- 0.009	3.30	- 0.25
Weight 0.14 g				

REVISION HISTORY

REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	AP.	DATE
A		Production release	EO	1/31/13	JL	1/31/13



FRONT VIEW



SIDE VIEW

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		CWSBYTEMARK 353 West Grove Ave. Orange, CA. 92865	
SOLIDWORKS							
SIGN		DATE		TITLE: Ferrite Toroid Core Material 75, MnZn			
DRAWN		EO 1/31/13					
CHECKED		JL 1/31/13					
ENGR.		JL 1/31/13					
APPR.		JL 1/31/13					
		SIZE		DWG. NO.		REV	
		B		F-37-75		A	
		SCALE		N/A		SHEET 1 OF 1	

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