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Features

NiZn ferrite material with a range up to 50 MHz used for broadband transformers, antennas and HF high Q inductor applications.

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-23-67

Electrical Specifications

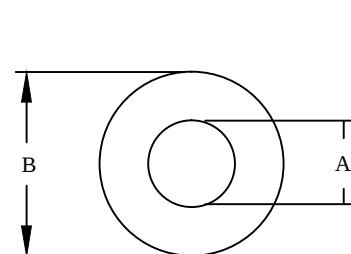
Item	Unit/Symbol	Condition	Value	Tol.
A _L	nH/N ²	@ 10 KHz	6 min	± 25%
L _e	cm	N/A	1.3	± 10%
A _e	cm ²	N/A	0.02	± 10%
V _e	cm ³	N/A	0.027	± 10%
Initial Permeability	μ ₀	@ B < 10 gauss	40	± 25%
Temp. Coeff. Of initial Permeability	%, °C	20 - 70 °C	0.05	Typ.
Coercive Force	H _c	oersted	3.5	Typ.
Residual Flux Density	Gauss, B _r	N/A	800	Typ.
Flux Density	Gauss, B	Initial (B), oersted	2300	Typ.
	Gauss, H	@ Field Strength (H), oersted	20	Typ.
Curie temperature	°C	T _c	> 475	Nom.
Resistivity	Ω cm, ρ	@ Field Strength	10 ⁷	Typ.
Loss Factor	10 ⁻⁶ , tanδ / μ	Initial	150	Typ.
	MHz	@ Frequency	50	Typ.

Dimensional Tolerances

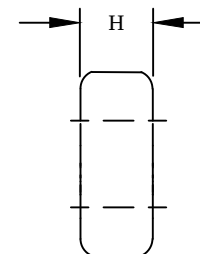
	in	tol.	mm	tol.
Case				
B (Outer Diameter)	0.230	- 0.010	5.95	- 0.25
A (Inner Diameter)	0.120	± 0.004	3.05	± 0.10
H (Height)	0.060	- 0.010	1.65	- 0.25
Weight 0.14 g				

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	CWSBYTEMARK	
SOLIDWORKS					
SIGN		DATE	www.cwsbytemark.com	353 West Grove Ave. Orange, CA. 92865	
DRAWN	EO	1/31/13	TITLE: Ferrite Toroid Core Material 67, NiZn		
CHECKED	JL	1/31/13			
ENGR.	JL	1/31/13			
APPR.	JL	1/31/13			
			SIZE	DWG. NO.	REV
			B	F-23-67	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