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SB-301-61

Features

NiZn ferrite material with a range for inductive applications up to 25 MHz, that can be used for EMI applications to suppress noise frequencies above 200 MHz.

Electrical Specifications

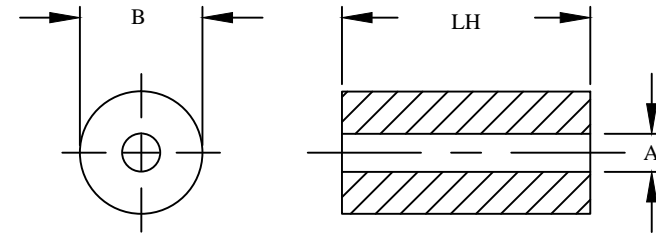
Item	Unit/Symbol	Condition	Value	Tol.
Typical Impedance	Ω	1 MHz	N/A	Typ.
Typical Impedance	Ω	5 MHz	N/A	Typ.
Typical Impedance	Ω	100 MHz	54	Typ.
Typical Impedance	Ω	250 MHz	82	Typ.
Typical Impedance	Ω	500 MHz	103	Typ.
Typical Impedance	Ω	1000 MHz	120	Typ.
Initial Permeability	μ_0	@ B < 10 gauss	125	Nom.
Temp. Coeff. Of initial Permeability	%, °C	20 - 70 °C	0.1	Typ.
Coercive Force	H _c	oersted	1.8	Typ.
Residual Flux Density	Gauss, B _r	N/A	1200	Typ.
Flux Density	Gauss, B	Initial (B), oersted	2350	Typ.
	Gauss, H	@ Field Strength (H), oersted	15	Typ.
Curie temperature	°C	T _c	> 300	Nom.
Resistivity	Ω cm, ρ	@ Field Strength	10 ⁸	Typ.
Loss Factor	10 ⁻⁶ , tan δ / μ	Initial	30	Typ.
	MHz	@ Frequency	1	Typ.

Dimensional Tolerances

	in	tol.	mm	tol.
B (Outer Diameter)	0.138	± 0.008	3.50	± 0.20
A (Inner Diameter)	0.051	± 0.004	1.30	± 0.10
LH (Length)	0.236	± 0.009	6.00	± 0.25
Weight	0.18 g			

REVISION HISTORY

REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	AP.	DATE
A		Production release	EO	10/8/13	JL	10/8/13



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			
DRAWN	EO 10/8/13	TitlE: Ferrite Shielding Bead Material 61, NiZn	
CHECKED	JL 10/8/13		
ENGR.	JL 10/8/13		
APPR.	JL 10/8/13	SIZE DWG. NO.	REV
		B	SB-301-61 A
DO NOT SCALE DRAWING		SCALE	SHEET 1 OF 1
		N/A	