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SB-101-43

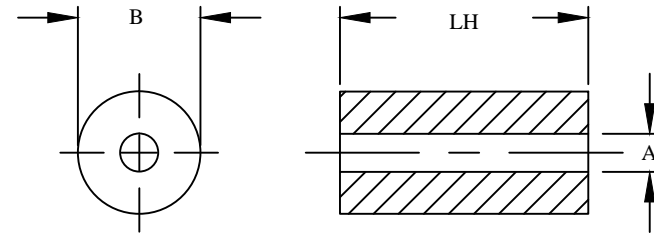
Features

NiZn ferrite with a range of 20 to 250 MHz for suppression of conducted EMI, that is used for inductive applications (ex: high frequency common-mode chokes)

REVISION HISTORY					
REV	ECN	DESCRIPTION	SIGN & DATE		
			BY	DATE	AP. DATE
A		Production release	EO	9/29/13	JL 9/29/13

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	10 MHz	17	Typ.
Typical Impedance	Ω	25 MHz	26	21 Min.
Typical Impedance	Ω	100 MHz	40	$\pm 20\%$
Typical Impedance	Ω	250 MHz	56	Typ.
Initial Permeability	μ_0	@ B < 10 gauss	800	Nom.
Temp. Coeff. Of initial Permeability	%, $^{\circ}\text{C}$	20 - 70 $^{\circ}\text{C}$	1.25	Typ.
Coercive Force	H_c	oersted	0.45	Typ.
Residual Flux Density	Gauss, B_r	N/A	1300	Typ.
Flux Density	Gauss, B	Initial (B), oersted	2900	Typ.
	Gauss, H	@ Field Strength (H), oersted	10	Typ.
Curie temperature	$^{\circ}\text{C}$	T_c	> 130	Nom.
Resistivity	$\Omega \text{ cm}, \rho$	@ Field Strength	10^5	Typ.
Loss Factor	$10^{-6}, \tan\delta / \mu$	Initial	250	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)	0.128	± 0.009	3.25	± 0.25
Weight 0.10 g				



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 9/29/13	 Ferrite Shielding Bead Material 43, NiZn	
CHECKED	JL 9/29/13		
ENGR.	JL 9/29/13		
APPR.	JL 9/29/13	SIZE DWG. NO.	REV
		B	A
DO NOT SCALE DRAWING		SCALE	SHEET 1 OF 1
		N/A	