The information contained in this drawing is the sole property of Coil Winding Specialist Inc (CWS). Any reproduction in part or whole without written permission of CWS is prohibited.

LB-8112-43

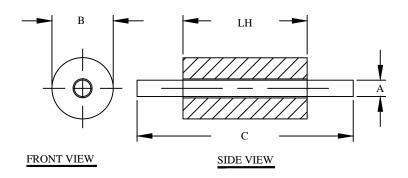
	REVISION HISTORY											
REV	ECN	DESCRIPTION	SIGN & DATE									
			BY	DATE	AP.	DATE						
A		Production release	ЕО	9/29/13	JL	9/29/13						

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)

Copper wire assembled for circuit assembly. 22 AWG wire resistance maximum 3.5 mO. 20 AWG wire resistance maximum 2.2 mO.

3.5 mΩ. 20 AW	3 wire r	esistance maxi		2.2 mΩ. ical Specification	e			
Item		Unit/Symb		Con	Value	Tol.		
Typical Impedance								
		Ω			MHz	N/A	Тур.	
Typical Impedance		Ω		_	MHz	N/A	Typ.	
Typical Impedance		Ω		10	MHz	72	Тур.	
Typical Impedance		Ω		25	MHz	116	39 Min.	
Typical Impedance		Ω		100	MHz	180	± 20%	
Typical Impedance		Ω		250	MHz	168	Тур.	
Initial Permeability		μ_0		@ B <	10 gauss	800	Nom.	
Temp. Coeff. Of initial Permeability		%, °C		20 -	70 °C	1.25	Тур.	
Coercive Force		Hc		oe	rsted	0.45	Тур.	
Residual Flux Density		Gauss, Br		N	V/A	1300	Тур.	
Flux Density		Gauss, B		Initial (I	3), oersted	2900	Тур.	
		Gauss, H		@ Field Stren	gth (H), oersted	10	Тур.	
Curie temperature		°C			Tc	> 130	Nom.	
Resistivity		Ω cm, ρ		@ Field	l Strength	10 ⁵	Тур.	
Loss Factor		10 ⁻⁶ , tanδ / μ		In	itial	250	Тур.	
		MHz		@ Fr	equency	1	Тур.	
		I	Dimer	sional Tolerance	s		•	
	in			tol.	mm		tol.	
B (Outer Diameter)	0.138		± 0.009		3.50	3	± 0.25	
A (wire type) 22		2 AWG		N/A	0.65		N/A	
LH (Length)		0.450		± 0.016	11.40	4	: 0.40	
C (wire)		2.440		± 0.059	62.00	4	: 1.50	
Weight 0.70 g								



For additional detail, specifications and charts see:

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

	CODE IDENT		MFG	MFG. P/N			DESCRIPTI	ON	ITEM NO.
						PARTS	LIST		
	AUTOC		Х	www.coilws.com		CWSBYTEMARK			
UNLESS OTHERWISE SPECIFIED	SOLIDWORKS SIGN		DATE			ytemark.com	353 West Grove Ave. Oran 92865		nge, CA.
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	DRAWN	ЕО	9/29/13	TITLE:	<u> </u>				.ad
ALL DIMENSIONS ARE IN INCHES AND [MILIMETERS].	CHECKED	JL	9/29/13		Ferrite Shielding Bead on Lo Material 43, NiZn				
TOLERANCE INCHES: .XXX=±.005 .XX=±.015 < √=±0'30' TOLERANCE METRICS:	ENGR.	JL	9/29/13	,					REV
.XXX=±.127 .XX=±.38 <=±0'30'	APPR.	JL	9/29/13					3	A
DO NOT SCALE DRAWING				SCALE		N/A		SHEET 1 C	F 1

EP FORM0005 REV 3 10/01 CAD-FILE: