SB-6301-43

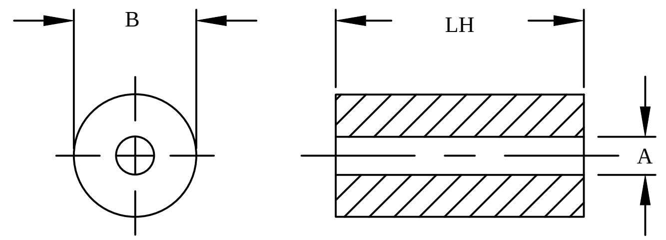
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	AP.	DATE
A		Production release	EO	10/8/13	JL	10/8/13

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)

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	34	Typ.
Typical Impedance	Ω	25 MHz	53	Typ.
Typical Impedance	Ω	100 MHz	80	Typ.
Typical Impedance	Ω	250 MHz	92	Typ.
Initial Permeability	μ_0	@ B < 10 gauss	800	Nom.
Temp. Coeff. Of initial Permeability	%, °C	20 - 70 °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	°C	T_c	> 130	Nom.
Resistivity	Ω cm, ρ	@ Field Strength	10^5	Typ.
Loss Factor	10^{-6}, tanδ / μ	Initial	250	Typ.
	MHz	@ Frequency	1	Typ.

Dimensional Tolerances				
	in	tol.	mm	tol.
B (Outer Diameter)	0.375	± 0.009	9.50	± 0.25
A (Inner Diameter)	0.193	± 0.012	4.75	± 0.30
LH (Length)	0.410	± 0.009	10.40	± 0.25
Weight 2.20 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
SOLIDWORKS	

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

	SIGN	DATE
DRAWN	EO	10/8/13
CHECKED	JL	10/8/13
ENGR.	JL	10/8/13
APPR.	JL	10/8/13

www.coilws.com
www.cwsbytemark.com

CWSBYTEMARK
353 West Grove Ave. Orange, CA. 92865

TITLE: Ferrite Shielding Bead Material 43, NiZn

SIZE B DWG. NO. SB-6301-43 REV A

SCALE N/A SHEET 1 OF 1