The inf	formation con	tained in this	drawing is the	sole property	of Coil Win	nding Specialist Inc (CWS).
Any re	production in	part or whole	e without writte	n permission	of CWS is	prohibited.

F-50-61

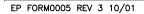
## Features

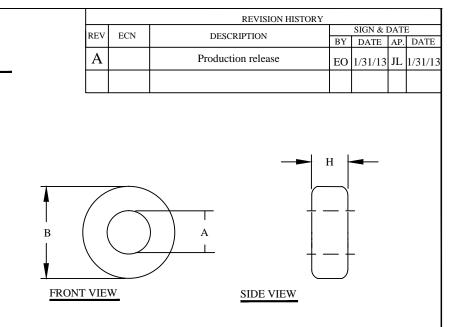
NiZn ferrite material with a range for inductive applications up to 25 MHz, that can be used for EMI applications to suppress noise frequencies above 200 MHz.

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).

Electrical Specifications								
Item	Unit/Symbol	Condition	Value	Tol.				
A <sub>L</sub>	nH/N <sup>2</sup>	@ 10 KHz	69	± 25%				
Le	cm	N/A	2.95	± 10%				
Ae	cm <sup>2</sup>	N/A	0.129	± 10%				
Ve	cm <sup>3</sup>	N/A	0.38	± 10%				
Initial Permeability	μ <sub>0</sub>	@ B < 10 gauss	125	± 25%				
Temp. Coeff. Of initial Permeability	%, °C	20 - 70 °C	0.1	Тур.				
Coercive Force	H <sub>c</sub>	oersted	1.8	Тур.				
Residual Flux Density	Gauss, Br	N/A	1200	Тур.				
Flux Density	Gauss, B	Initial (B), oersted	2350	Тур.				
	Gauss, H	@ Field Strength (H), oersted	15	Тур.				
Curie temperature	°C	Tc > 300		Nom.				
Resistivity	$\Omega$ cm, $\rho$	@ Field Strength	Field Strength 10 <sup>8</sup>					
Loss Factor	10 <sup>-6</sup> , tanδ / μ	Initial	30	Тур.				
	MHz	@ Frequency	1	Тур.				

Dimensional Tolerances								
	in	tol.	mm	tol.				
Case								
B (Outer Diameter)	0.500	± 0.010	12.70	± 0.25				
A (Inner Diameter)	0.281	$\pm 0.008$	7.15	± 0.20				
H (Height)	0.188	- 0.010	4.90	- 0.25				
Weight 2.00 g								





## For additional detail, specifications and charts see:

http://www.bytemark.com/products/ferrite\_matl.htm

	CODE IDENT MFG		S. P/N		DESCRIPTION		ITEM NO.			
	PARTS LIST									
	AUTOC	AD D	Х	www.coilws.com www.cwsbytemark.com		CWSBYTEMARK 353 West Grove Ave. Orange, CA 92865				
	SOLIDW	/ORKS								
UNLESS OTHERWISE SPECIFIED	SI	GN	DATE						50, CA.	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	DRAWN	EO	1/31/13	Ferrite Toroid Core Material 61, NiZn						
ALL DIMENSIONS ARE IN INCHES AND [MILIMETERS].	CHECKED	JL	1/31/13						141	
TOLERANCE INCHES: .XXX=±.005 .XX=±.015 爻=±0'30' TOLERANCE METRICS:	ENGR.	JL	1/31/13							
ANGLE PROJECTION ⊕ -	APPR.	JL	1/31/13	B	DWG. NO.	F-:	50-61			rev A
DO NOT SCALE DRAWING				SCALE	1	N/A		SHEET	1 OF	1

CAD-FILE: