F-82-61

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	AP.	DATE
A		Production release	EO	1/31/13	JL	1/31/13

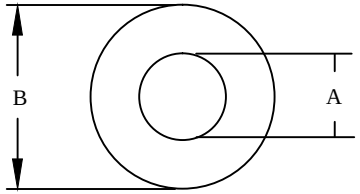
Features

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.

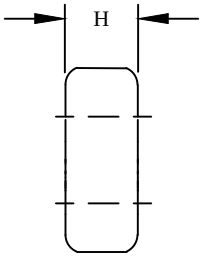
Burnished to break sharp edges, can contain Parylene C coat at smaller diameters from the length of 9.5mm (0.375") or a uniform coating of thermo-set plastic at larger dimensions (if part numbers ends with a C).

Electrical Specifications				
Item	Unit/Symbol	Condition	Value	Tol.
A_L	nH/N^2	@ 10 KHz	75	± 25%
L_e	cm	N/A	5.2	± 10%
A_e	cm^2	N/A	0.243	± 10%
V_e	cm^3	N/A	1.26	± 10%
Initial Permeability	μ_0	@ B < 10 gauss	125	± 25%
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}, tanδ / μ	Initial	30	Typ.
	MHz	@ Frequency	1	Typ.

Dimensional Tolerances				
	in	tol.	mm	tol.
Case				
B (Outer Diameter)	0.825	± 0.014	21.00	± 0.35
A (Inner Diameter)	0.520	± 0.012	13.20	± 0.30
H (Height)	0.250	± 0.010	6.35	± 0.25
Weight 6.40 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			
SIGN	DATE		
DRAWN EO	1/31/13	TITLE: Ferrite Toroid Core Material 61, NiZn	
CHECKED JL	1/31/13		
ENGR. JL	1/31/13		
APPR. JL	1/31/13		
		SIZE B / DWG. NO. F-82-61 / REV A	
		SCALE N/A	SHEET 1 OF 1

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

CAD–FILE: