

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.

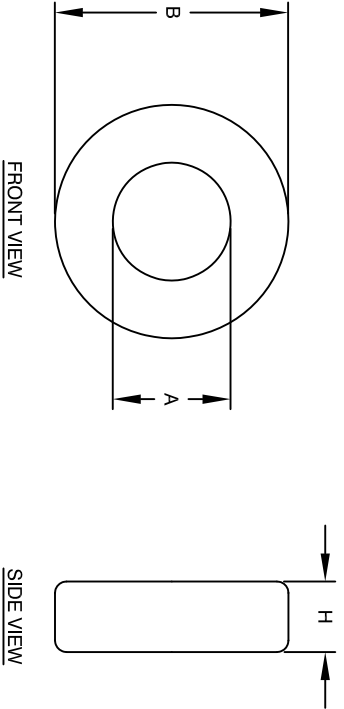
REVISION HISTORY			
REV	ECN	DESCRIPTION	DATE
A		INITIAL RELEASE	

Features

- High Permeability (30-80k), high Impedance Z and high Insertion attenuation
- Suppresses the asymmetrical EMI currents
- High saturation Flux density can reduce over voltage peaks
- High Curie Temperature and excellent temperature characteristics
- Core Type: Nanocrystalline, NanoByte™

Electrical Specifications			
Item	Units	Condition	Value
A_L	$\mu\text{H}/\text{N}^2$	@ 10KHz	22.5 - 45
Permeability @ H peak 3.0 mA/cm	H_0	@ 10KHz	30000
A_e	cm^2	N/A	2.25
L_e	cm	N/A	28.16
$L_e \times N$	$\text{mA} \times \text{turn}$	@ 10KHz	60
Saturation Flux Density	T	N/A	1.2
Curie Temperature	$^{\circ}\text{C}$	N/A	580

Dimensions and Tolerances			
	in	tol.	mm
Core Only			
B (Outer Diameter)	3.94	± 0.40	100
A (Inner Diameter)	3.15	± 0.40	80
H (Height)	1.18	± 0.40	30
With Case On			
B (Outer Diameter)	4.13	± 0.40	105
A (Inner Diameter)	2.95	± 0.40	75
H (Height)	1.38	± 0.40	35



CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST			
AUTOCAD	X	CWSBYTEMARK	
SOLIDWORKS		353 W Grove Ave	
SIGN		Orange, CA 92665	
DRWN	JL	DATE	02/21/17
CHKD	JM	DATE	02/21/17
ENGR.	JM	DATE	02/21/17
APPR.	JM	DATE	02/21/17
TITLE		Nanocrystalline Core	
SIZE		INCH. NO.	
N/A		CN100-80-30G	
SCALE		SHEET 1 OF 1	

UNLESS OTHERWISE SPECIFIED
 DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
 ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].
 TOLERANCE RANGES:
 XXXX±.005 XX±.015
 TOLERANCE METRICS:
 XXXX±.127 XX±.38
 ANGLE PROJECTION
 DO NOT SCALE DRAWING