REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	AP.	DATE
A		Production release	TN	5/10/18	JL	5/10/18

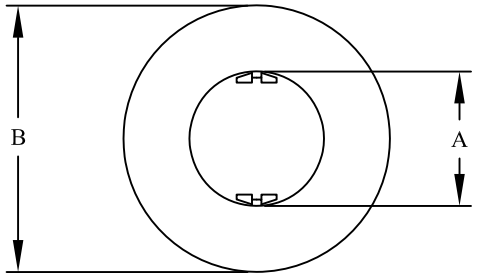
Features

High Permeability (30-80K), high impendance 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

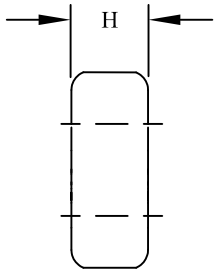
CN50-30-20

Electrical Specifications				
Item	Units	Condition	Value	Tol.
A_L	nH/N^2	@ 1kHz, 200mV	84480	± 25%
A_L	nH/N^2	@ 10kHz	76400	± 25%
A_L	nH/N^2	@ 100kHz	29450	± 25%
Permeability	μ_0	@ 10 kHz	50000	± 25%
A_e	cm^2	N/A	1.350	± 10%
L_e	cm	N/A	12.900	± 10%
Le x Ne	mA x turn	@ 10 kHz	30	± 20
Le x Ne	mA x turn	@ 100 kHz	30	± 20
Saturation Flux Density	T	N/A	1.200	Max.
Curie temperature	°C	N/A	580	Nom.

Dimensional Tolerances				
	in	tol.	mm	tol.
Core				
B (Outer Diameter)	1.900	±0.40	48.350	±1
H (Height)	0.520	±0.40	13.320	±1
A (Inner Diameter)	1.680	±0.40	29.650	±1
Case				
B (Outer Diameter)	2.170	±0.40	55.220	±1
H (Height)	0.980	±0.40	25.090	±1
A (Inner Diameter)	0.990	±0.40	25.060	±1
Weight 170.10 g				



FRONT VIEW



SIDE VIEW

For additional detail, specifications and charts see:

http://www.bytemark.com/products/comp_nanoc_cmchoke.html
http://www.bytemark.com/products/Nanocrystalline_cores.html

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	1/21/13	TITLE: Nanocrystalline Core	
CHECKED JL	1/21/13		
ENGR. JL	1/21/13		
APPR. JL	1/21/13		

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

SIZE	DWG. NO.	REV
B	CN50-30-20	A
SCALE N/A	SHEET 1 OF 1	

CAD–FILE: