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CN120-80-30G

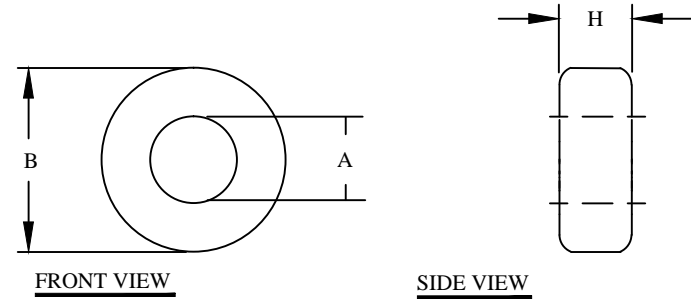
Features

- 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

Electrical Specifications				
Item	Units	Condition	Value	Tol.
A _L	nH/N ²	@ 1kHz, 200mV	73700	± 25%
A _L	nH/N ²	@ 10kHz	69800	± 25%
A _L	nH/N ²	@ 100kHz	22900	± 25%
Permeability	μ ₀	@ 10 kHz	35000	± 25%
A _e	cm ²	N/A	6.00	± 10%
L _e	cm	N/A	31.4	± 10%
Saturation Current	mA	@ 10 kHz	100	± 20
Saturation Flux Density	T	N/A	1.2	Max.
Curie temperature	°C	N/A	580	Nom.

Dimensional Tolerances				
	in	tol.	mm	tol.
Core				
B (Outer Diameter)	4.72	±0.40	120	±1
H (Height)	1.18	±0.40	30	±1
A (Inner Diameter)	3.15	±0.40	80	±1
Case				
B (Outer Diameter)	4.92	±0.40	125	±1
H (Height)	1.40	±0.40	36	±1
A (Inner Diameter)	2.95	±0.40	75	±1
Weight	1,060.00 g			

REVISION HISTORY					
REV	ECN	DESCRIPTION	SIGN & DATE		
			BY	DATE	AP. DATE
A		Production release	EO	1/21/13	JL 1/21/13



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				
DRAWN	EO 1/21/13	TITLE: Nanocrystalline Core		
CHECKED	JL 1/21/13			
ENGR.	JL 1/21/13			
APPR.	JL 1/21/13	SIZE DWG. NO.	REV	
		B	CN120-80-30G	A
		SCALE	SHEET 1 OF 1	
		N/A		

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