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Features

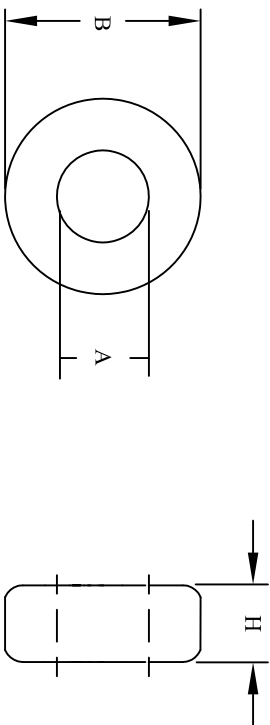
High Permeability (30-80K), high impedance Z and high insertion attenuation
 Suppresses the asymmetrical EMI currents
 High saturation Flux density can reduce over voltage peaks
 High Curie Temperature and excellent temperature characteristics

CN70-35-50G

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

Electrical Specifications				
Item	Units	Condition	Value	Tol.
A_L	nH/N ²	@ 1kHz, 200mV	167000	± 25%
A_L	nH/N ²	@ 10kHz	151960	± 25%
A_L	nH/N ²	@ 100kHz	36640	± 25%
Permeability	μ_0	@ 10 kHz	> 90000	± 25%
A_e	cm ²	N/A	4.640	± 10%
L_e	cm	N/A	15.500	± 10%
$L_e \times N_e$	mA x turn	@ 10 kHz	35.300	± 20
$L_e \times N_e$	mA x turn	@ 100 kHz	35.300	± 20
Saturation Flux Density	T	N/A	1.200	Max.
Curie temperature	°C	N/A	600	Nom.

Dimensional Tolerances				
	in	tol.	mm	tol.
Core				
B (Outer Diameter)	2.600	±0.40	66.000	±1
H (Height)	1.160	±0.40	29.470	±1
A (Inner Diameter)	1.500	±0.40	38.000	±1
Case				
B (Outer Diameter)	2.790	±0.40	70.760	±1
H (Height)	1.950	±0.40	49.410	±1
A (Inner Diameter)	1.350	±0.40	34.310	±1
Weight	374.00 g			



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 SOLIDWORKS SIGN	X	www.coilws.com www.cwsbytemark.com	CWSBYTEMARK 353 West Grove Ave. Orange, CA 92865
DRAWN	DATE	TITLE:	
EO	1/21/13	Nanocrystalline Core	
ENGR.	DATE	SIZE	DWG. NO.
JL	1/21/13	B	CN70-35-50G
APPR.	DATE	SCALE	REV
JL	1/21/13	N/A	A

UNLESS OTHERWISE SPECIFIED
 DIMENSIONING AND TOLERANCE PER ANSI Y14.5M
 ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].
 TOLERANCE INCHES: ± 0.030
 TOLERANCE METRICS: ± 0.38
 ANGLE PROJECTION ϕ
 DO NOT SCALE DRAWING