

## CN40-25-15G

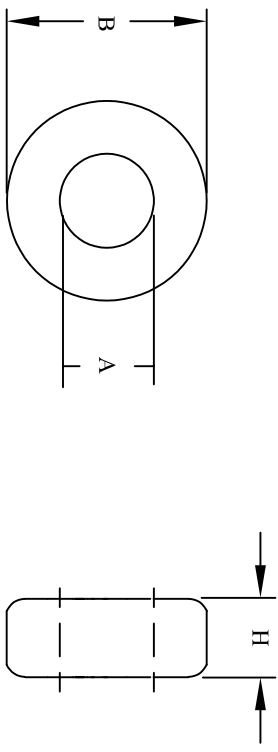
REVISION HISTORY			
REV	ECN	DESCRIPTION	SIGN & DATE
A		Production release	EO 1/21/13 JL 1/21/13
B		Updated Electrical Spec.	TN 6/6/24 JL 6/6/24

### 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 <sup>2</sup>	@ 1KHz, 200mV	125060	± 25%
$A_L$	nH/N <sup>2</sup>	@ 10KHz	96780	± 25%
$A_L$	nH/N <sup>2</sup>	@ 100KHz	25000 - 35000	± 25%
Permeability	$\mu_0$	@ 100 kHz	22000 - 33000	± 25%
$A_e$	cm <sup>2</sup>	N/A	1.13	± 10%
$L_e$	cm	N/A	10.2	± 10%
Saturation Current	mA	@ 10 KHz	30	± 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)	1.57	±0.40	40	±1
H (Height)	0.59	±0.40	15	±1
A (Inner Diameter)	0.98	±0.40	25	±1
Case				
B (Outer Diameter)	1.70	±0.40	43	±1
H (Height)	0.73	±0.40	19	±1
A (Inner Diameter)	0.89	±0.40	23	±1
Weight	64.20 g			



### For additional detail, specifications and charts see:

- [http://www.bytemark.com/products/comp\\_nanoc\\_cmhoke.html](http://www.bytemark.com/products/comp_nanoc_cmhoke.html)
- [http://www.bytemark.com/products/Nanocrystalline\\_cores.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
UNLESS OTHERWISE SPECIFIED		TITLE: Nanocrystalline Core	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M AND (MILLIMETERS).	DRAWN EO 1/21/13	ENGR. JL 1/21/13	APPR. JL 1/21/13
TOLERANCE INCHES: .XXX±.005 .XX±.015 .XX±.127 .XX±.38	ANGLE PROJECTION	SIZE DIM. NO.	REV
DO NOT SCALE DRAWING		B	CN40-25-15G
		N/A	SHEET 1 OF 1