

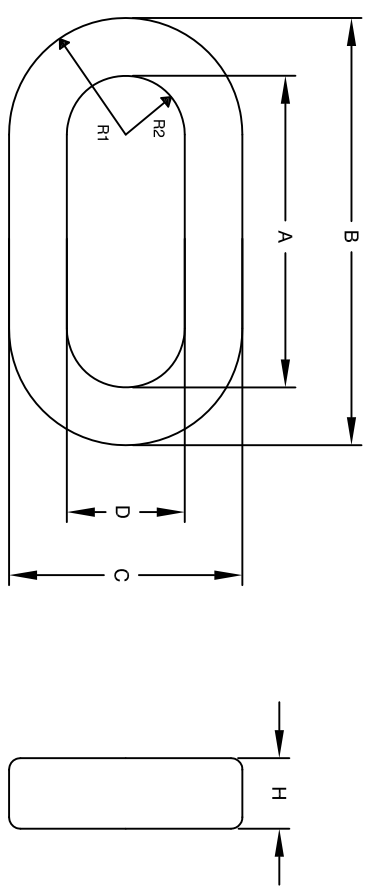
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REVISION HISTORY						
REV	ECN	DESCRIPTION	BY	DATE	CHK	DATE
A		INITIAL RELEASE	JL	02/21/17	JM	02/21/17

**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	Tol.	
$A_L$	$\mu\text{H}/\text{N}^2$	@ 10KHz	24.1 - 48.2	N/A	
$A_L$	$\mu\text{H}/\text{N}^2$	@ 100KHz	12	N/A	
Permeability @ H peak 3.16 mA/cm	$\mu_0$	@ 10KHz	30000	$\pm 25\%$	
$A_e$	$\text{cm}^2$	N/A	1.86	$\pm 10\%$	
$L_e$	cm	N/A	22.36	$\pm 10\%$	
$L_e \times \text{N}$	mA x turn	@ 10KHz	50	$\pm 10\%$	
$L_e \times \text{N}$	mA x turn	@ 100KHz	50	$\pm 10\%$	
Saturation Flux Density	T	N/A	1.2	Max.	
Curie Temperature	$^{\circ}\text{C}$	N/A	580	Norm.	

Dimensions and Tolerances					
	in	tol.	mm	tol.	
<b>Core Only</b>					
B (Outer Diameter)	3.15	$\pm 0.40$	80	$\pm 1$	
A (Inner Diameter)	2.48	$\pm 0.40$	63	$\pm 1$	
H (Height)	1.18	$\pm 0.40$	30	$\pm 1$	
<b>With Case On</b>					
B (Outer Diameter 1)	3.98	$\pm 0.40$	101.0	$\pm 1$	
C (Outer Diameter 2)	2.44	$\pm 0.40$	62.0	$\pm 1$	
A (Inner Diameter 1)	2.68	$\pm 0.40$	68.0	$\pm 1$	
D (Inner Diameter 2)	1.10	$\pm 0.40$	28.0	$\pm 1$	
H (Height)	1.46	$\pm 0.40$	37.0	$\pm 1$	
R1	1.22	$\pm 0.40$	31.1	$\pm 1$	
R2	0.55	$\pm 0.40$	13.9	$\pm 1$	



CODE	MFG. P/N	DESCRIPTION	ITEM NO.
IDENT			

AUTOCAD SOLIDWORKS		CWSBYTEMARK	
DATE	DATE	353 W Grove Ave	Orange, CA 92665

UNLESS OTHERWISE SPECIFIED	DRAWN	DATE	TITLE
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M AND (MILLIMETERS)	JL	02/21/17	Nanocrystalline Core
TOLERANCE RANGES: .XX±.005 .XX±.015 .XX±.127 .XX±.38	ENGR. JM	02/21/17	
ANGLE PROJECTION	APPR. JM	02/21/17	

SIZE	INCH. NO.	REV
N/A	CN80-63-30H	A