F-50-75

REVISION HISTORY REV ECN DESCRIPTION SIGN & DATE BY DATE AP. DATE A Production release EO 1/31/13 JL 1/31/13

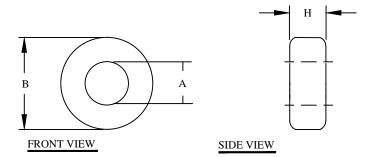
Features

MnZn ferrite material with high permeability for broadband and pulse transformers applications. Also intended for common-mode inductor designs.

Burnished to break sharp edges, can contain Parylene C coat at smaller diameters from the length of 9.5mm (0.375") or a uniform coating of thermo-set plastic at larger dimensions (if part numbers ends with a C).

Electrical Specifications								
Item	Unit/Symbol	Condition	Value	Tol.				
A_{L}	nH/N ²	@ 10 KHz	2725	± 20%				
Le	cm	N/A	2.95	± 10%				
Ae	cm ² N/A		0.129	± 10%				
V _e	cm ³	cm ³ N/A		± 10%				
Initial Permeability	μ_0	μ_0 @ B < 10 gauss		± 20%				
Temp. Coeff. Of initial Permeability	%, °C	20 - 70 °C	0.6	Тур.				
Coercive Force	H _c	oersted	0.16	Тур.				
Residual Flux Density	Gauss, Br	N/A	1400	Тур.				
Flux Density	Gauss, B	Initial (B), oersted	4300	Тур.				
	Gauss, H	@ Field Strength (H), oersted	5	Тур.				
Curie temperature	°C	T _c	> 140	Nom.				
Resistivity	Ω cm, ρ	@ Field Strength	10^{2}	Тур.				
Loss Factor	10^{-6} , tan δ / μ	Initial	15	Тур.				
	MHz	@ Frequency	0.1	Тур.				

Dimensional Tolerances								
	in	tol.	mm	tol.				
Case								
B (Outer Diameter)	0.500	± 0.010	12.70	± 0.25				
A (Inner Diameter)	0.281	± 0.008	7.15	± 0.20				
H (Height)	0.188	± 0.010	4.90	± 0.25				
Weight 2.00 g								



For additional detail, specifications and charts see:

http://www.bytemark.com/products/ferrite_matl.htm

	CODE MFG		6. P/N		DESCRIPTION		ITEM NO.	
	PARTS LIST							
	AUTOCAD		Х			CWSBYTEMARK		
	SOLID	NORKS		www.coilws.com		353 West Grove Ave Orang		re CA
UNLESS OTHERWISE SPECIFIED	SIGN		DATE	www.cwsb	ytemark.com	333 11631	92865	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	DRAWN	ЕО	1/31/13					
ALL DIMENSIONS ARE IN INCHES AND [MILIMETERS].	CHECKED	JL	1/31/13	re.				
TOLERANCE INCHES: .XXX=±.005 .XX=±.015	ENGR.	JL	1/31/13	75, MnZn				
TOLERANCE METRICS: .XXX=±.127 .XX=±.38	APPR.	JL	1/31/13	SIZE DWG. NO. F-50-75			REV A	
ANGLE PROJECTION 🔴 🖅				2011		70 70		
DO NOT SCALE DRAWING				SCALE	N/A		SHEET 1 OF	1

EP FORMO005 REV 3 10/01 CAD-FILE: