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S-551-43

REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	AP.	DATE
A		Production release	EO	9/27/13	JL	9/27/13

Features

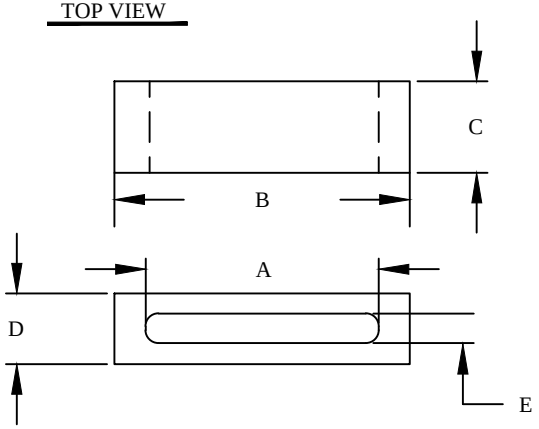
NiZn ferrite with a range of 20 to 250 MHz for suppression of conducted EMI, that is used for inductive applications (ex: high frequency common-mode chokes)

Broadband frequency range of 25-300 MHz.

Electrical Specifications				
Item	Unit/Symbol	Condition	Value	Tol.
Typical Impedance	Ω	10 MHz	67	Typ.
Typical Impedance	Ω	25 MHz	115	76 Min.
Typical Impedance	Ω	100 MHz	300	195 ± 20%
Typical Impedance	Ω	250 MHz	415	Typ.
Initial Permeability	μ_0	@ B < 10 gauss	800	Nom.
Temp. Coeff. Of initial Permeability	%, °C	20 - 70 °C	1.25	Typ.
Coercive Force	H_c	oersted	0.45	Typ.
Residual Flux Density	Gauss, B_r	N/A	1300	Typ.
Flux Density	Gauss, B	Initial (B), oersted	2900	Typ.
	Gauss, H	@ Field Strength (H), oersted	10	Typ.
Curie temperature	°C	T_c	> 130	Nom.
Resistivity	Ω cm, ρ	@ Field Strength	10^5	Typ.
Loss Factor	10^{-6}, tanδ / μ	Initial	250	Typ.
	MHz	@ Frequency	1	Typ.

Dimensions						
	Cable Width	A	B (Core Dimension)	C	D	E
In	1.201	1.355	1.775	1.125	0.490	0.060
Tol.	Max.	± 0.28	± 0.029	± 0.28	± 0.16	± 0.012
mm	33.7	34.40	45.10	28.60	12.45	1.50
Tol.	Max.	± 0.70	± 0.75	± 0.70	± 0.40	± 0.30
Weight 71.00 g						

TOP VIEW



SIDE VIEW

For additional detail, specifications and charts see:

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

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			
SIGN	DATE		
DRAWN EO	9/27/13	TITLE: Flat RF/EMI Suppression Core Material 43, NiZn	
CHECKED JL	9/27/13		
ENGR. JL	9/27/13		
APPR. JL	9/27/13		
		SIZE B / DWG. NO. S-551-43 / REV A	
		SCALE N/A	SHEET 1 OF 1

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

CAD–FILE: