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S-251-43-2P

Features

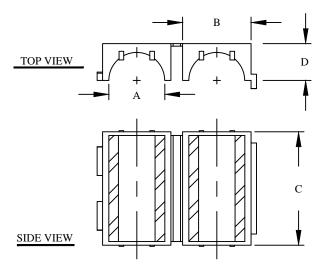
NiZn ferrite with a range of 20 to 250 MHz for suppression of conducted EMI, that is used for inductive applications (ex: high frequency common-mode chokes)

Broadband frequency range of 25-300 MHz. Suppressing frequencies up to 500 MHz. Multi-strand cable common mode filtering and single conductor differential mode filtering.

Electrical Specifications									
Item	Unit/Symbol	/Symbol Condition		Tol.					
Typical Impedance	Ω	10 MHz	100	Тур.					
Typical Impedance	Ω	25 MHz	163	130 Min.					
Typical Impedance	Ω	100 MHz	275	± 20%					
Typical Impedance	Ω	250 MHz	275	Тур.					
Initial Permeability	μ_0	@ B < 10 gauss	800	Nom.					
Temp. Coeff. Of initial Permeability	%, °C	20 - 70 °C	1.25	Тур.					
Coercive Force	H _c	oersted	0.45	Typ.					
Residual Flux Density	Gauss, Br	N/A	1300	Тур.					
Flux Density	Gauss, B	Initial (B), oersted	2900	Тур.					
	Gauss, H	@ Field Strength (H), oersted	10	Тур.					
Curie temperature	perature °C T _c		> 130	Nom.					
Resistivity	Ω cm, ρ	@ Field Strength	10 ⁵	Тур.					
Loss Factor	10 ⁻⁶ , tanδ / μ	Initial	250	Тур.					
	MHz		1	Тур.					

Dimensions								
	Cable Diameter	A	B (Core Dimension)	С	D	Е		
In	0.250	0.275	0.705	1.272	0.362	N/A		
Tol.	Max. Nor		Nom.	Nom.	Nom.	N/A		
mm	6.40	7.00	17.90	32.30	9.20	N/A		
Tol.	Tol. Max.		Nom.	Nom.	Nom.	N/A		
Weight 31.00 g								

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



For additional detail, specifications and charts see:

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

		CODE IDENT	MFG	i. P/	N	DESCRIPTION		ION		ITEM NO.	
	PARTS LIST										
	AUTOCAD X				CWSBYTEMARK						
	SOLIDWO	DRKS		www.coilws.com		353 West (est Grove Ave. Orange				
UNLESS OTHERWISE SPECIFIED	SIGI	N	DATE	www.cwsbytemark.com			92865			50, 071.	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M	DRAWN]	EO S	9/27/13	TITLE:	B						
ALL DIMENSIONS ARE IN INCHES AND [MILIMETERS].	CHECKED	JL 9	9/27/13		R	Round Cable Snap-In RF Filter Material 43, NiZn S-251-43-2P REA				er	
TOLERANCE INCHES: .XXX=±.005 .XX=±.015 < √=±0'30' TOLERANCE METRICS:	ENGR.	JL 9	9/27/13	CIZE	DINO NO					55/	
.XXX=±.127 .XX=±.38 《=±0°30° ANGLE PROJECTION	APPR.	л. 9	9/27/13	В	DWG. NO.					A	
DO NOT SCALE DRAWING				SCALE		N/A		SHEET	1 OF	1	

EP FORM0005 REV 3 10/01 CAD-FILE: