Product specification

Product name	Neodymium 50mmX10mmX2mm					
Item	Name	Symbol	SI		CGS	
Shape	Lengh	L	50	mm	5	cm
	Width	W	10	mm	1	cm
	Height	H	2	mm	0.2	cm
	Dimensional tolerance +/-	L	0.1	mm	0.01	cm
		W	0.1	mm	0.01	cm
		H	0.1	mm	0.01	cm
	Direction of magnetization	M	Assiale			
	Surface treatment	Ni	12	μm		
Measuring point	Surface flux density	B	147.7	mT	1477	G
	Attractive force	F	5.54	kgf	5548	gf
	Magnetic flux density on load point	Bd	167	mT	1670	G
	Total flux	Dia o	0.00008354	Wb	8354	Mx
	Permeance coefficient	Pc	0.17	Pc	-	
	Operationg temperature range	Tw	50	deg C	122	deg F
	Operationg temperature range	Tw	-	deg C	-	deg F
Material characteristics	Material grade	Neodymium	35			
	Remanence	Br	1170-1220	mT	11.7-12.2	kG
	Coericive forces	Hcb	>868	kA/m	>10.9	kOe
	Intrisic coercivity	Hcj	>955	kA/m	>12	kOe
	Maximum energy product	BH	263-287	kJ/m3	33-36	MGOe
	Temperature coefficient	Br	-0.12	%/deg C	31.78	%/deg F
		Hcj	-0.55	%/deg C	31.01	%/deg F
	Max. operating temperature	Tw	<80	deg C	<176	deg F
	Curie temperature	Tc	310	deg C	590	deg F
	Density	P	7.5	kg/m3	-	
	Weight	Net	0.0075	kg	7.5	g
Remark	REACH RoHS Directive					

Information on these magnetic characteristics are approximate and reference values. When using the calculated values for actual magnetic application products and research and development of the application of magnetic products, use these values as reference values. We are not responsible for the results from the reference values. The details can be found by referring to the product specifications. All specifications are subject to change without notice.

Copyright © 2000-2026 Magfine Corporation All Rights Reserved.