Specifications

Product Name	Neodymium Φ10mmx4mm					
Product Code	ND0042					
Content	Name	Symbol	SI		CGS	
Shape	Diameter	D	10	mm	1	cm
	Height	H	4	mm	0.4	cm
	Dimensional tolerance ＋／－	D	0.1	mm	0.01	cm
		H	0.1	mm	0.01	cm
	Magnetization direction	M	Axial direction			
	Surface treatment	NiCuNi	12	μm	-	
Magnetic Properties	Surface flux density	B	343	mT	3430	G
	Attractive and Adsorptive Force	F	1.68	kgf	1684	gf
	Operating Point Flux Density	Bd	604.1	mT	6041	G
	Total Flux	φo	0.00004744	Wb	4744	Mx
	Permeance Coefficient	Pc	1.07	Pc	-	
	Operating Temperature Limit	Tw	90	℃	194	˚F
Material Properties	Material Symbol	Neodymium	35			
	Residual Flux Density	Br	1170-1220	mT	11.7-12.2	kG
	Coercive Force	Hcb	≧868	kA/m	≧10.9	kOe
	Intrinsic coercive force	Hcj	≧955	kA/m	≧12	kOe
	Maximum energy product	BH	263-287	kJ/m3	33-36	MGOe
	Temperature coefficient	Br	-0.12	%/℃	31.78	%/℃
		Hcj	-0.55	%/℃	31.01	%/℃
	Heat resistance temperature	Tw	≦80	℃	≦176	˚F
	Curie temperature	Tc	310	℃	590	˚F
	Density	ρ	7.5	kg/m3	-	
	Weight	Net	0.00235	kg	2.35	g
Remarks	REACH RoHS Directive					

All magnetic property values are for reference only. Please use them only as reference values when referring to actual magnetic application products or for research and development. We are not responsible for any liability resulting from the use of reference values. The contents of this document are subject to change without notice due to improvements or other reasons.

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