Specifications

Product Name	Neodymium Φ10mmx50mm					
Product Code	ND0318					
Content	Name	Symbol	SI		CGS	
Shape	Diameter	D	10	mm	1	cm
	Height	H	50	mm	5	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	546.4	mT	5464	G
	Attractive and Adsorptive Force	F	4.27	kgf	4272	gf
	Operating Point Flux Density	Bd	1158.3	mT	11583	G
	Total Flux	φo	0.00009097	Wb	9097	Mx
	Permeance Coefficient	Pc	33.18	Pc	-	
	Operating Temperature Limit	Tw	150	℃	302	˚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	0.0294	kg	29.4	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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