

Specifications

Product Name	Neodymium Φ 35mmx2mm				
Product Code	ND1183				
Content	Name	Symbol	SI		CGS
Shape	Diameter	D	35	mm	3.5 cm
	Height	H	2	mm	0.2 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	μ m	-
Magnetic Properties	Surface flux density	B	67.8	mT	678 G
	Attractive and Adsorptive Force	F	2.6	kgf	2609 gf
	Operating Point Flux Density	Bd	123.1	mT	1231 G
	Total Flux	ϕ_o	0.0001185	Wb	11850 Mx
	Permeance Coefficient	Pc	0.12	Pc	-
	Operating Temperature Limit	Tw	50	°C	122 °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/m ³	33-36 MGOe
	Temperature coefficient	Br	-0.12	%/°C	31.78 %/°C
		Hcj	-0.55	%/°C	31.01 %/°C
	Heat resistance temperature	Tw	≤ 80	°C	≤ 176 °F
	Curie temperature	Tc	310	°C	590 °F
	Density	ρ	7.5	kg/m ³	-
	Weight	Net	0.01443	kg	14.43 g
Remarks	REACH RoHS Directive				

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