

Specifications

Product Name	Neodymium Φ5mmx5.5mm				
Product Code	ND0410				
Content	Name	Symbol	SI		CGS
Shape	Diameter	D	5	mm	0.5 cm
	Height	H	5.5	mm	0.55 cm
	Dimensional tolerance +/-	D	0.1	mm	0.01 cm
		H	0.1	mm	0.01 cm
	Magnetization direction	M	Axial direction		
Magnetic Properties	Surface treatment	NiCuNi	12	μm	-
	Surface flux density	B	443.3	mT	4433 G
	Attractive and Adsorptive Force	F	0.894	kgf	894 gf
	Operating Point Flux Density	Bd	943.3	mT	9433 G
	Total Flux	φ o	0.0001852	Wb	1852 Mx
	Permeance Coefficient	Pc	3.94	Pc	-
Material Properties	Operating Temperature Limit	Tw	110	°C	230 °F
	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	%/°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/m3	-
	Weight	Net	0.000809	kg	0.809 g
Remarks	REACH RoHS Directive				

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