

Specifications

Product Name	Neodymium Φ 9mmx9.5mm				
Product Code	ND0448				
Content	Name	Symbol	SI		CGS
Shape	Diameter	D	9	mm	0.9 cm
	Height	H	9.5	mm	0.95 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	489.8	mT	4898 G
	Attractive and Adsorptive Force	F	2.85	kgf	2854 gf
	Operating Point Flux Density	Bd	932.1	mT	9321 G
	Total Flux	ϕ_o	0.0000593	Wb	5930 Mx
	Permeance Coefficient	Pc	3.73	Pc	-
	Operating Temperature Limit	Tw	110	°C	230 °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	0.00453	kg	4.53 g
Remarks	REACH RoHS Directive				

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