

Specifications

Product Name	Neodymium Φ 5mmx2mm				
Product Code	ND0080				
Content	Name	Symbol	SI		CGS
Shape	Diameter	D	5	mm	0.5 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		
Magnetic Properties	Surface treatment	NiCuNi	12	μ m	-
	Surface flux density	B	304.2	mT	3042 G
	Attractive and Adsorptive Force	F	0.421	kgf	421 gf
	Operating Point Flux Density	Bd	604.1	mT	6041 G
	Total Flux	ϕ o	0.00001186	Wb	1186 Mx
	Permeance Coefficient	Pc	1.07	Pc	-
Material Properties	Operating Temperature Limit	Tw	90	°C	194 °F
	Material Symbol	Neodymium	35		
	Residual Flux Density	Br	1170-1220	mT	11.7-12.2 kG
	Coercive Force	Hcb	$\geq$ 868	kA/m	$\geq$ 10.9 kOe
	Intrinsic coercive force	Hcj	$\geq$ 955	kA/m	$\geq$ 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	$\leq$ 80	°C	$\leq$ 176 °F
	Curie temperature	Tc	310	°C	590 °F
Remarks	Density	ρ	7.5	kg/m3	-
	Weight	Net	0.000294	kg	0.294 g
REACH RoHS Directive					

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