

Specifications

Product Name	Neodymium Φ 5mmx1mm				
Product Code	ND0056				
Content	Name	Symbol	SI		CGS
Shape	Diameter	D	5	mm	0.5 cm
	Height	H	1	mm	0.1 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	180.9	mT	1809 G
	Attractive and Adsorptive Force	F	0.267	kgf	267 gf
	Operating Point Flux Density	Bd	371.3	mT	3713 G
	Total Flux	ϕ o	0.00000729	Wb	729 Mx
	Permeance Coefficient	Pc	0.47	Pc	-
Material Properties	Operating Temperature Limit	Tw	75	$^{\circ}$ C	167 $^{\circ}$ 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/m ³	33-36 MGOe
	Temperature coefficient	Br	-0.12	%/ $^{\circ}$ C	31.78 %/ $^{\circ}$ C
		Hcj	-0.55	%/ $^{\circ}$ C	31.01 %/ $^{\circ}$ C
	Heat resistance temperature	Tw	$\leq$ 80	$^{\circ}$ C	$\leq$ 176 $^{\circ}$ F
	Curie temperature	Tc	310	$^{\circ}$ C	590 $^{\circ}$ F
Remarks	Density	ρ	7.5	kg/m ³	-
	Weight	Net	0.000147	kg	0.147 g
REACH RoHS Directive					

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