

Specifications

Product Name	Neodymium Φ 13mmx13mm				
Product Code	ND0342				
Content	Name	Symbol	SI		CGS
Shape	Diameter	D	13	mm	1.3 cm
	Height	H	13	mm	1.3 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	509.3	mT	5093 G
	Attractive and Adsorptive Force	F	5.83	kgf	5834 gf
	Operating Point Flux Density	Bd	917	mT	9170 G
	Total Flux	ϕ_o	0.00012172	Wb	12172 Mx
	Permeance Coefficient	Pc	3.47	Pc	-
	Operating Temperature Limit	Tw	105	$^{\circ}$ C	221 $^{\circ}$ F
Material Properties	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
	Density	ρ	7.5	kg/m ³	-
Weight	Net	0.0129	kg	12.9 g	
Remarks	REACH RoHS Directive				

All magnetic property values are for reference only. Please use them only as reference values when referring to actual magnetic application products or for research and development. We are not responsible for any liability resulting from the use of reference values. The contents of this document are subject to change without notice due to improvements or other reasons.