

Specifications

Product Name	Neodymium Φ 20mmx13.5mm					
Product Code	ND0685					
Content	Name	Symbol	SI		CGS	
Shape	Diameter	D	20	mm	2	cm
	Height	H	13.5	mm	1.35	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	477.2	mT	4772	G
	Attractive and Adsorptive Force	F	11.1	kgf	11146	gf
	Operating Point Flux Density	Bd	792.8	mT	7928	G
	Total Flux	ϕ_o	0.00024907	Wb	24907	Mx
	Permeance Coefficient	Pc	2.07	Pc	-	
	Operating Temperature Limit	Tw	95	$^{\circ}$ C	203	$^{\circ}$ 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	0.0318	kg	31.8	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.