

Specifications

Product Name	Neodymium Φ 22mmx8mm					
Product Code	ND1001					
Content	Name	Symbol	SI		CGS	
Shape	Diameter	D	22	mm	2.2 cm	
	Height	H	8	mm	0.8 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	351.4	mT	3514 G	
	Attractive and Adsorptive Force	F	7.43	kgf	7430 gf	
	Operating Point Flux Density	Bd	569.5	mT	5695 G	
	Total Flux	ϕ o	0.00021649	Wb	21649 Mx	
	Permeance Coefficient	Pc	0.96	Pc	-	
	Operating Temperature Limit	Tw	85	$^{\circ}$ C	185 $^{\circ}$ 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	0.0228	kg	22.8 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.