Specifications

Product Name	Neodymium Φ27mmx6mm					
Product Code	ND1057					
Content	Name	Symbol	SI		CGS	
Shape	Diameter	D	27	mm	2.7	cm
	Height	H	6	mm	0.6	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	μm	-	
Magnetic Properties	Surface flux density	B	242.7	mT	2427	G
	Attractive and Adsorptive Force	F	8.81	kgf	8812	gf
	Operating Point Flux Density	Bd	403	mT	4030	G
	Total Flux	φo	0.00023074	Wb	23074	Mx
	Permeance Coefficient	Pc	0.53	Pc	-	
	Operating Temperature Limit	Tw	80	℃	176	˚F
Material Properties	Material Symbol	Neodymium	35			
	Residual Flux Density	Br	1170-1220	mT	11.7-12.2	kG
	Coercive Force	Hcb	≧868	kA/m	≧10.9	kOe
	Intrinsic coercive force	Hcj	≧955	kA/m	≧12	kOe
	Maximum energy product	BH	263-287	kJ/m3	33-36	MGOe
	Temperature coefficient	Br	-0.12	%/℃	31.78	%/℃
		Hcj	-0.55	%/℃	31.01	%/℃
	Heat resistance temperature	Tw	≦80	℃	≦176	˚F
	Curie temperature	Tc	310	℃	590	˚F
	Density	ρ	7.5	kg/m3	-	
	Weight	Net	0.0257	kg	25.7	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.

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