Specifications

Product Name	Neodymium Φ55mmx3mm					
Product Code	ND0190					
Content	Name	Symbol	SI		CGS	
Shape	Diameter	D	55	mm	5.5	cm
	Height	H	3	mm	0.3	cm
	Dimensional tolerance ＋／－	D	0.15	mm	0.015	cm
		H	0.15	mm	0.015	cm
	Magnetization direction	M	Axial direction			
	Surface treatment	NiCuNi	12	μm	-	
Magnetic Properties	Surface flux density	B	64.8	mT	648	G
	Attractive and Adsorptive Force	F	6.23	kgf	6235	gf
	Operating Point Flux Density	Bd	117.8	mT	1178	G
	Total Flux	φo	0.00028006	Wb	28006	Mx
	Permeance Coefficient	Pc	0.11	Pc	-	
	Operating Temperature Limit	Tw	50	℃	122	˚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	0.0534	kg	53.4	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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