

Specifications

Product Name	Neodymium Φ50mmx10mm					
Product Code	ND0040					
Content	Name	Symbol	SI		CGS	
Shape	Diameter	D	50	mm	5	cm
	Height	H	10	mm	1	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	221.9	mT	2219	G
	Attractive and Adsorptive Force	F	28.6	kgf	28631	gf
	Operating Point Flux Density	Bd	371.3	mT	3713	G
	Total Flux	φ o	0.00072912	Wb	72912	Mx
	Permeance Coefficient	Pc	0.47	Pc	-	
	Operating Temperature Limit	Tw	75	℃	167	℉
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	℉
	Curie temperature	Tc	310	℃	590	℉
	Density	ρ	7.5	kg/m3	-	
Weight	Net	0.147	kg	147	g	
Remarks	REACH RoHS Directive					

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