Specifications

Product Name	Neodymium Φ4mmx1mm					
Product Code	ND0051					
Content	Name	Symbol	SI		CGS	
Shape	Diameter	D	4	mm	0.4	cm
	Height	H	1	mm	0.1	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	209.8	mT	2098	G
	Attractive and Adsorptive Force	F	0.204	kgf	204	gf
	Operating Point Flux Density	Bd	440.2	mT	4402	G
	Total Flux	φo	0.00000553	Wb	553	Mx
	Permeance Coefficient	Pc	0.61	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	0.0000942	kg	0.0942	g
Remarks	REACH RoHS Directive					

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