Specifications

Product Name	Neodymium Φ9mmx4mm					
Product Code	ND0181					
Content	Name	Symbol	SI		CGS	
Shape	Diameter	D	9	mm	0.9	cm
	Height	H	4	mm	0.4	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	360	mT	3600	G
	Attractive and Adsorptive Force	F	1.54	kgf	1542	gf
	Operating Point Flux Density	Bd	642.7	mT	6427	G
	Total Flux	φo	0.00004088	Wb	4088	Mx
	Permeance Coefficient	Pc	1.22	Pc	-	
	Operating Temperature Limit	Tw	90	℃	194	˚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	0.0019	kg	1.9	g
Remarks	REACH RoHS Directive					

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