Specifications

Product Name	Neodymium Φ10mmx15.5mm					
Product Code	ND0465					
Content	Name	Symbol	SI		CGS	
Shape	Diameter	D	10	mm	1	cm
	Height	H	15.5	mm	1.55	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	522.6	mT	5226	G
	Attractive and Adsorptive Force	F	3.9	kgf	3908	gf
	Operating Point Flux Density	Bd	1023.7	mT	10237	G
	Total Flux	ϕo	0.0000804	Wb	8040	Mx
	Permeance Coefficient	Pc	6.28	Pc	-	
	Operating Temperature Limit	Tw	135	℃	275	˚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	0.00913	kg	9.13	g
Remarks	REACH RoHS Directive					

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