

Specifications

Product Name	Neodymium Φ 2mmx5mm Dia						
Product Code	NDD0002						
Content	Name	Symbol	SI		CGS		
Shape	Diameter	D	2	mm	0.2	cm	
	Height	H	5	mm	0.5	cm	
	Dimensional tolerance +/-	D	0.1	mm	0.01	cm	
		H	0.1	mm	0.01	cm	
	Magnetization direction	M	Diameter direction				
Surface treatment	NiCuNi	12	μ m	-			
Magnetic Properties	Surface flux density	B	302.6	mT	3026	G	
	Attractive and Adsorptive Force	F	0.128	kgf	128	gf	
	Permeance Coefficient	Pc	1.63	Pc	-		
	Operating Temperature Limit	Tw	90	$^{\circ}$ C	194	$^{\circ}$ F	
Material Properties	Material Symbol	Neodymium	35				
	Residual Flux Density	Br	1170-1220	mT	11.7-12.2	kG	
	Coercive Force	Hcb	\geq 868	kA/m	\geq 10.9	kOe	
	Intrinsic coercive force	Hcj	\geq 955	kA/m	\geq 12	kOe	
	Maximum energy product	BH	263-287	kJ/m ³	33-36	MGOe	
	Temperature coefficient	Br	-0.12	%/ $^{\circ}$ C		31.78	%/ $^{\circ}$ C
		Hcj	-0.55	%/ $^{\circ}$ C		31.01	%/ $^{\circ}$ C
	Heat resistance temperature	Tw	\leq 80	$^{\circ}$ C	\leq 176	$^{\circ}$ F	
	Curie temperature	Tc	310	$^{\circ}$ C	590	$^{\circ}$ F	
	Density	ρ	7.5	kg/m ³	-		
Weight	Net	0.000117	kg	0.117	g		
Remarks	REACH RoHS Directive						

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