Product specification

Product name	Neodymium Dia5mmX4.5mm					
Item	Name	Symbol	SI		CGS	
Shape	Diameter	D	5	mm	0.5	cm
	Height	H	4.5	mm	0.45	cm
	Dimensional tolerance +/-	D	0.1	mm	0.01	cm
		H	0.1	mm	0.01	cm
	Direction of magnetization	M	Assiale			
	Surface treatment	Ni	12	μm		
Measuring point	Surface flux density	B	425.7	mT	4257	G
	Attractive force	F	0.824	kgf	824	gf
	Magnetic flux density on load point	Bd	886.1	mT	8861	G
	Total flux	Dia o	0.00001739	Wb	1739	Mx
	Permeance coefficient	Pc	3.01	Pc	-	
	Operationg temperature range	Tw	105	deg C	221	deg F
	Operationg temperature range	Tw	-	deg C	-	deg F
Material characteristics	Material grade	Neodymium	35			
	Remanence	Br	1170-1220	mT	11.7-12.2	kG
	Coericive forces	Hcb	>868	kA/m	>10.9	kOe
	Intrisic coercivity	Hcj	>955	kA/m	>12	kOe
	Maximum energy product	BH	263-287	kJ/m3	33-36	MGOe
	Temperature coefficient	Br	-0.12	%/deg C	31.78	%/deg F
		Hcj	-0.55	%/deg C	31.01	%/deg F
	Max. operating temperature	Tw	<80	deg C	<176	deg F
	Curie temperature	Tc	310	deg C	590	deg F
	Density	P	7.5	kg/m3	-	
	Weight	Net	0.000662	kg	0.662	g
Remark	REACH RoHS Directive					

Information on these magnetic characteristics are approximate and reference values. When using the calculated values for actual magnetic application products and research and development of the application of magnetic products, use these values as reference values. We are not responsible for the results from the reference values. The details can be found by referring to the product specifications. All specifications are subject to change without notice.

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