

# Product specification

Product name	Neodymium Dia8mm				
Item	Name	Symbol	SI	CGS	
Shape	Diameter	D	8 mm	0.8	cm
	Dimensional tolerance +/-	D	0.1 mm	0.01	cm
	Direction of magnetization	M	Assiale		
	Surface treatment	Ni	12 $\mu$ m		
Measuring point	Surface flux density	B	724.4 mT	7244	G
	Attractive force	F	- kgf	-	gf
	Magnetic flux density on load point	Bd	- mT	-	G
	Total flux	Dia o	- Wb	-	Mx
	Permeance coefficient	Pc	- Pc	-	
	Operating temperature range	Tw	- deg C	-	deg F
	Operating temperature range	Tw	- deg C	-	deg F
Material characteristics	Material grade	Neodymium	35		
	Remanence	Br	1170-1220 mT	11.7-12.2	kG
	Coercive forces	Hcb	>868 kA/m	>10.9	kOe
	Intrinsic coercivity	Hcj	>955 kA/m	>12	kOe
	Maximum energy product	BH	263-287 kJ/m <sup>3</sup>	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/m <sup>3</sup>	-	
	Weight	Net	0.00201 kg	2.01	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.