

# Product specification

Product name	Neodymium Dia18mmX3mm				
Item	Name	Symbol	SI	CGS	
Shape	Diameter	D	18 mm	1.8 cm	
	Height	H	3 mm	0.3 cm	
	Dimensional tolerance +/-	D H	0.1 mm 0.1 mm	0.01 cm 0.01 cm	
	Direction of magnetization	M	Assiale		
	Surface treatment	Ni	12 $\mu$ m		
Measuring point	Surface flux density	B	185.4 mT	1854 G	
	Attractive force	F	2.95 kgf	2957 gf	
	Magnetic flux density on load point	Bd	320.5 mT	3205 G	
	Total flux	Dia o	0.00008158 Wb	8158 Mx	
	Permeance coefficient	Pc	0.39 Pc	-	
	Operationg temperature range	Tw	70 deg C	158 deg F	
	Operationg temperature range	Tw	- deg C	- deg F	
	Material grade	Neodymium	35		
Material characteristics	Remanence	Br	1170-1220 mT	11.7-12.2 kG	
	Coericeive forces	Hcb	>868 kA/m	>10.9 kOe	
	Intrinsic 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	0.00572 kg	5.72 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.