

# Specifications

Product Name	Neodymium Φ5mmx5mm Dia				
Product Code	NDD0008				
Content	Name	Symbol	SI		CGS
Shape	Diameter	D	5	mm	0.5 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	μm	-
Magnetic Properties	Surface flux density	B	477	mT	4770 G
	Attractive and Adsorptive Force	F	0.565	kgf	565 gf
	Permeance Coefficient	Pc	2.95	Pc	-
	Operating Temperature Limit	Tw	100	°C	212 °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	%/°C	31.78 %/°C
		Hcj	-0.55	%/°C	31.01 %/°C
	Heat resistance temperature	Tw	≤80	°C	≤176 °F
	Curie temperature	Tc	310	°C	590 °F
	Density	ρ	7.5	kg/m3	-
	Weight	Net	0.000736	kg	0.736 g
Remarks	REACH RoHS Directive				

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