

# Specifications

Product Name	Neodymium $\Phi$ 4mmx9mm				
Product Code	ND0135				
Content	Name	Symbol	SI		CGS
Shape	Diameter	D	4	mm	0.4    cm
	Height	H	9	mm	0.9    cm
	Dimensional tolerance +/-	D	0.1	mm	0.01    cm
		H	0.1	mm	0.01    cm
	Magnetization direction	M	Axial direction		
Surface treatment	NiCuNi	12	$\mu$ m	-	
Magnetic Properties	Surface flux density	B	457.9	mT	4579    G
	Attractive and Adsorptive Force	F	0.657	kgf	657    gf
	Operating Point Flux Density	Bd	1086.8	mT	10868    G
	Total Flux	$\phi$ o	0.00001365	Wb	1365    Mx
	Permeance Coefficient	Pc	10.56	Pc	-
	Operating Temperature Limit	Tw	150	$^{\circ}$ C	302 $^{\circ}$ 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 <sup>3</sup>	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	$\rho$	7.5	kg/m <sup>3</sup>	-
Weight	Net	0.000848	kg	0.848    g	
Remarks	REACH RoHS Directive				

All magnetic property values are for reference only. Please use them only as reference values when referring to actual magnetic application products or for research and development. We are not responsible for any liability resulting from the use of reference values. The contents of this document are subject to change without notice due to improvements or other reasons.