

# Specifications

Product Name	Neodymium $\Phi$ 25mmx7mm				
Product Code	ND1036				
Content	Name	Symbol	SI		CGS
Shape	Diameter	D	25	mm	2.5 cm
	Height	H	7	mm	0.7 cm
	Dimensional tolerance +/-	D	0.1	mm	0.01 cm
		H	0.1	mm	0.01 cm
	Magnetization direction	M	Axial direction		
Magnetic Properties	Surface treatment	NiCuNi	12	$\mu$ m	-
	Surface flux density	B	291.9	mT	2919 G
	Attractive and Adsorptive Force	F	8.77	kgf	8774 gf
	Operating Point Flux Density	Bd	477.8	mT	4778 G
	Total Flux	$\phi$ o	0.0002345 5	Wb	23455 Mx
	Permeance Coefficient	Pc	0.7	Pc	-
Material Properties	Operating Temperature Limit	Tw	80	°C	176 °F
	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	%/°C	31.78 %/°C
		Hcj	-0.55	%/°C	31.01 %/°C
	Heat resistance temperature	Tw	$\leq$ 80	°C	$\leq$ 176 °F
	Curie temperature	Tc	310	°C	590 °F
Remarks	Density	$\rho$	7.5	kg/m <sup>3</sup>	-
	Weight	Net	0.0257	kg	25.7 g
REACH RoHS Directive					

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