

Specifications

Product Name	Neodymium Φ 5mmx9mm				
Product Code	ND0141				
Content	Name	Symbol	SI		CGS
Shape	Diameter	D	5	mm	0.5 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	μ m	-
Magnetic Properties	Surface flux density	B	469.2	mT	4692 G
	Attractive and Adsorptive Force	F	1	kgf	1001 gf
	Operating Point Flux Density	Bd	1051.9	mT	10519 G
	Total Flux	ϕ o	0.00002065	Wb	2065 Mx
	Permeance Coefficient	Pc	7.73	Pc	-
	Operating Temperature Limit	Tw	140	$^{\circ}$ C	284 $^{\circ}$ 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 ³	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	ρ	7.5	kg/m ³	-
	Weight	Net	0.00132	kg	1.32 g
Remarks	REACH RoHS Directive				

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