Product specification

Product name	Neodymium Dia12mmX3.5mm						
Item	Name	Symbol	S	SI		CGS	
Shape	Diameter	D	12	mm	1.2	cm	
	Height	Н	3.5	mm	0.35	cm	
	Dimensional	D	0.1	mm	0.01	cm	
	tolerance +/-	Н	0.1	mm	0.01	cm	
	Direction of magnetization	М	Assiale				
	Surface treatment	Ni	12	μm			
Measuring point	Surface flux density	В	283.6	mΤ	2836	G	
	Attractive force	F	2.03	kgf	2030	gf	
	Magnetic flux density on load point	Bd	491.7	mT	4917	G	
	Total flux	Dia o	0.0000556 1	Wb	5561	Mx	
	Permeance coefficient	Рс	0.73	Рс	-		
	Operationg temperature range	Tw	85	deg C	185	deg F	
	Operationg temperature range	Tw	-	deg C	-	deg F	
Material characteristics	Material grade	Neodymium	3	35			
	Remanence	Br	1170-1220	mΤ	11.7-12.2	kG	
	Coericive forces	Hcb	>868	kA/m	>10.9	kOe	
	Intrisic coercivity	Hcj	>955	kA/m	>12	kOe	
	Maximum energy product	ВН	263-287	kJ/m3	33-36	MGOe	
	Temperature	Br	-0.12	%/deg C	31.78	%/deg F	
	coefficient	Нсј	-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	Р	7.5	kg/m3	-		
	Weight	Net	0.00296	kg	2.96	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.