

# Product specification

Product name	Colour Magnet Dia31mmX11mm Red				
Item	Name	Symbol	SI	CGS	
Shape	Diameter	D	31 mm	3.1	cm
	Height	H	11 mm	1.1	cm
	Direction of magnetization	M	Assiale		
	Surface treatment	Nylon	500 $\mu$ m		
Measuring point	Surface flux density	B	133.8 mT	1338	G
	Attractive force	F	- kgf	-	gf
	Magnetic flux density on load point	Bd	217 mT	2170	G
	Total flux	Dia o	0.0000552 2 Wb	5522	Mx
	Permeance coefficient	Pc	1.32 Pc	-	
	Operating temperature range	Tw	- deg C	-	deg F
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Material characteristics	Material grade	Colour Magnet	Y30H-1		
	Remanence	Br	380-400 mT	3.8-4.0	kG
	Coercive forces	Hcb	230-275 kA/m	2.87-3.44	kOe
	Intrinsic coercivity	Hcj	235-290 kA/m	2.94-3.62	kOe
	Maximum energy product	BH	27-32 kJ/m <sup>3</sup>	3.4-4.0	MGOe
	Temperature coefficient	Br	-0.18 %/deg C	31.68	%/deg F
		Hcj	0.18 %/deg C	32.32	%/deg F
	Max. operating temperature	Tw	<200 deg C	<392	deg F
	Curie temperature	Tc	460 deg C	860	deg F
	Density	P	5 kg/m <sup>3</sup>	-	
	Weight	Net	0.0155 kg	15.5	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.