

# Product specification

Product name	Anisotropic Ferrite Dia8mmX5mm				
Item	Name	Symbol	SI		CGS
Shape	Diameter	D	8	mm	0.8 cm
	Height	H	5	mm	0.5 cm
	Dimensional tolerance +/-	D	0.16	mm	0.016 cm
		H	0.1	mm	0.01 cm
	Direction of magnetization	M	Assiale		
	Surface treatment	-	-	μm	
Measuring point	Surface flux density	B	136.1	mT	1361 G
	Attractive force	F	0.179	kgf	179 gf
	Magnetic flux density on load point	Bd	250	mT	2500 G
	Total flux	Dia o	0.00001256	Wb	1256 Mx
	Permeance coefficient	Pc	1.88	Pc	-
	Operating temperature range	Tw	250	deg C	482 deg F
	Operating temperature range	Tw	-65	deg C	-85 deg F
Material characteristics	Material grade	Anisotropic Ferrite	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/m3	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/m3	-
	Weight	Net	0.00125	kg	1.25 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.