

# Product specification

Product name	Anisotropic Ferrite Dia5mmX2mm					
Item	Name	Symbol	SI		CGS	
Shape	Diameter	D	5	mm	0.5	cm
	Height	H	2	mm	0.2	cm
	Dimensional tolerance +/-	D	0.1	mm	0.01	cm
		H	0.04	mm	0.004	cm
	Direction of magnetization	M	Assiale			
Surface treatment	-	-	$\mu$ m			
Measuring point	Surface flux density	B	99.2	mT	992	G
	Attractive force	F	0.044	kgf	44	gf
	Magnetic flux density on load point	Bd	197.1	mT	1971	G
	Total flux	Dia o	0.00000387	Wb	387	Mx
	Permeance coefficient	Pc	1.07	Pc	-	
	Operating temperature range	Tw	250	deg C	482	deg F
	Operating temperature range	Tw	-60	deg C	-76	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/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	0.000196	kg	0.196	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.