

# Product specification

Product name	Magnetic Filter L450mmXW450mmXH40mm Frame/Sheath/Drawer				
Item	Name	Symbol	SI		CGS
Shape	Diameter	D	25	mm	2.5 cm
	Diameter	d	28	mm	2.8 cm
	Internal diameter	ID	27	mm	2.7 cm
	Internal diameter	id	10.5	mm	1.05 cm
	Subtitle	S	20	mm	2 cm
	Radian	R	8	mm	0.8 cm
	Length	L	450	mm	45 cm
	Width	W	450	mm	45 cm
	Width	w	150	mm	15 cm
	Height	H	40	mm	4 cm
	Height	h	30	mm	3 cm
	Thickness	T	5	mm	0.5 cm
	Thickness	t	10	mm	1 cm
	Pitch	P	50	mm	5 cm
	Quantity	Q	9		
	Direction of magnetization	M	Assiale		
Surface treatment	Polish	-	$\mu$ m		
Measuring point	Surface flux density	B	800	mT	8000 G
	Attractive force	F	-	kgf	- gf
	Magnetic flux density on load point	Bd	-	mT	- G
	Total flux	Dia o	-	Wb	- Mx
	Permeance coefficient	Pc	-	Pc	-
	Operating temperature range	Tw	100	deg C	212 deg F
	Operating temperature range	Tw	-	deg C	- deg F
Material characteristics	Material grade	Magnetic Filter	316		
	Remanence	Br	-	mT	- kG
	Coercive forces	Hcb	-	kA/m	- kOe
	Intrinsic coercivity	Hcj	-	kA/m	- kOe
	Maximum energy product	BH	-	kJ/m <sup>3</sup>	- MGOe
	Temperature coefficient	Br	-	%/deg C	- %/deg F
		Hcj	-	%/deg C	- %/deg F
	Max. operating temperature	Tw	-	deg C	- deg F
	Curie temperature	Tc	-	deg C	- deg F
	Density	P	-	kg/m <sup>3</sup>	-
Weight	Net	18.856	kg	18856 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.