



Product name : Magnetic stripe 50 x 3 bipolar

PERFORMANCE PARAMETERS

Width	50 [mm]
Height	3 [mm]
magnetizing direction along dimension	3 [mm]
Direction of magnetization along the height means that one circular surface of a magnet makes the N-pole, while the other - opposite - circular surface refers to the S-pole.	
Magnet type	Ferrite
Maximum working temperature	$\leq 80\text{ }^{\circ}\text{C}$
Weight	570 [g]
All the numbers quoted were obtained as a result of tests with one specific item in a room temperature and are intended to serve for comparison of practical magnetic properties of magnets offered by the shop.	

MAGNETIC PROPERTIES OF MATERIAL GRADE

remanence B_r	0,225 [T]
coercivity H_{cB}	min. 150 [kA/m]
coercivity H_J	min. 180 [kA/m]
energy product $(BH)_{\max}$	min. 11,0 [kJ/m ³]
As an example, you will find attached a graph of a course of the II quadrant of magnetic hysteresis loop for a bonded ferrite material grade.	

PHYSICAL PROPRIETIES

density	~3,8 [g/cm ³]
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