

MICROWAVE FERRITES

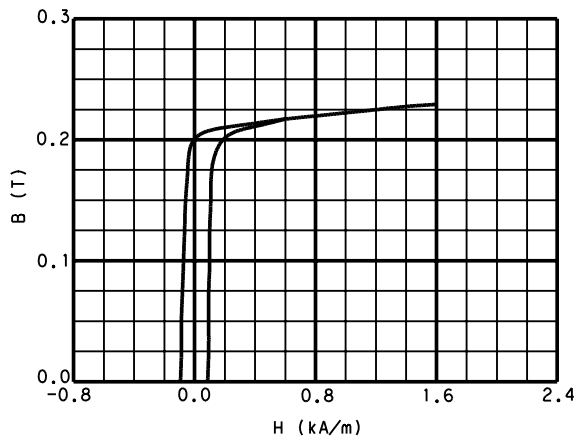
Material **M21: Mn-Mg ferrite**

Characteristics

Items		Units	Specs.	Notes.
Saturation magnetization	$4\pi M_s$	T	0.285±5%	25°C
Line width	ΔH	kA/m	max 27.853	25°C 10GHz
Dielectric constant	ϵ		12±5%	25°C 10GHz
Dielectric loss	$\tan\delta_\epsilon$		max 6×10^{-4}	25°C 10GHz
Curie temperature	T_c	°C	min 230	
Saturation flux density	B_s	T	0.230	25°C
Residual flux density	B_r	T	0.200	25°C
Coersive force	H_c	A/m	111.409	25°C
Squareness ratio	B_r/B_{20}		0.87	
Density	d	g/cm^3	4.5±0.1	25°C

* B_s, B_r, H_c and B_r/B_{20} are reference values.

Hysteresis loop



Temperature characteristics

