Parameter	Symbol	Standard Conditions of test	Unit	P10
Initial Permeability (nominal)	μ_i	B<0.1mT 10kHz 25°C	-	2000 ± 20%
Loss Factor (maximum)	$\frac{\tan \delta_{(r+e)}}{\mu_i}$	B<0.10mT 10kHz 25°C 100kHz	10^{-6}	6 15
Temperature Factor	$\frac{\Delta \mu}{\mu_i^2.\Delta T}$	+25°C to +55°C B<0.1mT 10kHz	10^{-6}/°C	0 to +2
Curie Temperature (minimum)	Θ_c	B<0.1mT 10kHz	°C	150
Dis-accommodation Factor (max)	$\frac{\Delta \mu}{\mu_i^2.\log_{10}(t_2/t_1)}$	B<0.25mT 10kHz 10 to 100 mins 50°C	10^{-6}	8
Hysteresis Material Constant (maximum)	η_B	B from 1.5 to 3mT 10kHz 25 °C	10^{-6}/mT	2.4
Resistivity (typical)	ρ	1 V/cm 25°C	ohm-cm	100

Material type: Manganese-Zinc Ferrite

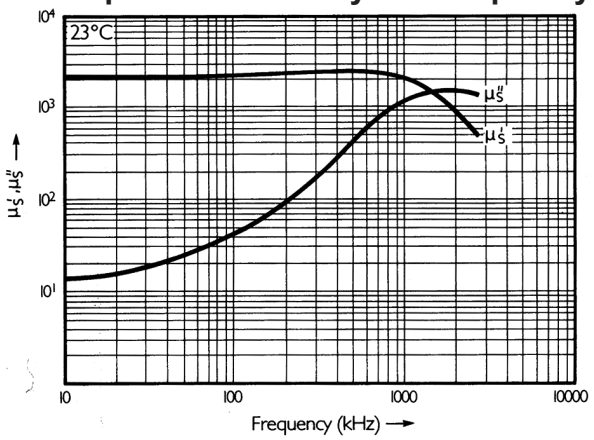
Properties:
- High stability of inductance
- Low temp. coefficient
- Low loss factors
- Medium permeability

Frequency range: Depends on application

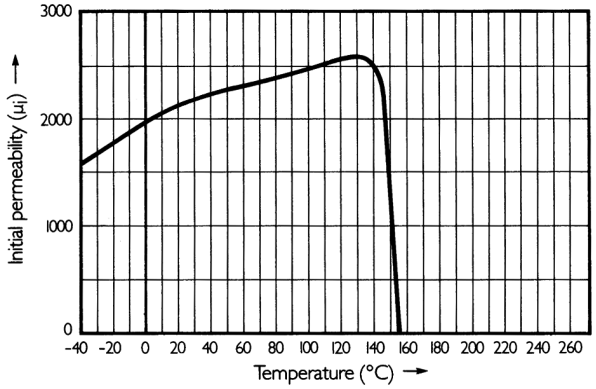
Typical applications: Low Power transformers & low freq. tuned circuits

Typical core shapes: RM cores, Pot cores, Baluns and Beads

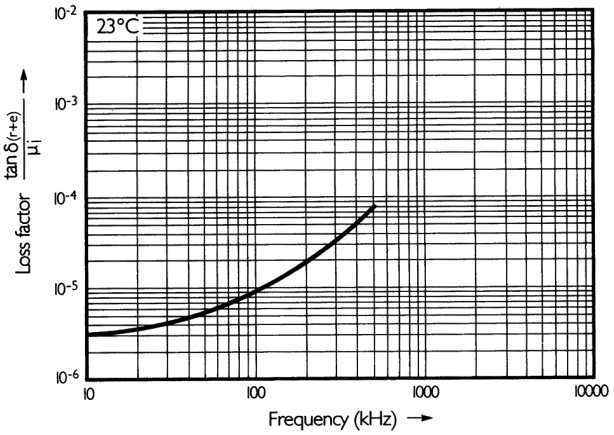
Complex Permeability vs. Frequency



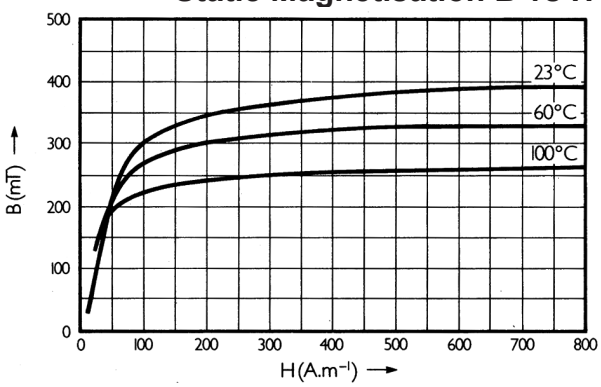
Initial Permeability vs. Temperature



Relative Loss Factor vs. Frequency



Static Magnetisation B vs H



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