

## 1K107B Nanocrystalline thin strip characteristics

Item	Value
Strip thickness (um)	20±2
Filling coefficient ( $\sigma$ )	$\geq 0.8$
Magnetic strength Bs(T)	1.25
Coercivity Hc(A/m)	$\leq 2.0$
Iron loss P0.5T/20K(W/kg)	$\leq 20$
Iron loss P0.3T/100K(W/kg)	$\leq 100$
Magnetic permeability $\mu$ (1kHz)	$\geq 100000$
Magnetic permeability $\mu$ (10kHz)	$\geq 80000$
Magnetic permeability $\mu$ (100kHz)	$\geq 30000$
Curie temperature Tc (°C)	560°C
Continuous operating temperature °C	40-120
Saturation magnetostriction constant( $\lambda_s$ )	$< 2 \times 10^{-6}$