

Nanocrystalline Ribbons List

| Product Code | Available thickness | Stacking factor | Saturation flux density | Coercivity | Application (For reference) | | | | | | | | | | | | |
|--------------|---------------------|-----------------|-------------------------|----------------------|---|-------------------------------------|-------------------|-------------------------|--------------------------------------|-----------|------------|--------------------------|-----------------------|-----------------------|-----------------------------------|--------------------------------------|------------|
| | | | | | High Frequency Power Transformer (HFPT) | | | Common Mode Choke (CMC) | | | | Current Transformer (CT) | | | Wireless Power Transmission (WPT) | | |
| | t [μm] | % | B _s [T] | H _c [A/m] | Select | P _{cm} [W/kg] (20kHz,0.5T) | μ _{0.08} | Select | P _{cm} [W/kg] (100kHz,0.3T) | μ (10kHz) | μ (100kHz) | Select | μ _i (50Hz) | μ _m (50Hz) | Select | P _{cm} [W/kg] (100kHz,0.3T) | μ (100kHz) |
| 1K107B | 23-26 | 78-84 | 1.24 | ≤1.5 | √ | ≤20 | 30,000~60,000 | \ | \ | \ | \ | √ | 85,000 | 500,000 | \ | \ | \ |
| | 20-23 | 78-84 | | | √ | ≤15 | 30,000~60,000 | √ | ≤80 | 80,000 | 15,000 | √ | 80,000 | 500,000 | \ | \ | \ |
| | 17-20 | 75-82 | | | √ | ≤12 | 30,000~60,000 | √ | ≤70 | 75,000 | 25,000 | \ | \ | \ | \ | \ | \ |
| | 14-17 | 75-82 | | | \ | \ | \ | √ | ≤60 | 70,000 | 30,000 | \ | \ | \ | \ | \ | \ |
| 1K107BW | 22-28 | 78-84 | 1.24 | ≤1.5 | √ | ≤15 | \ | √ | ≤85 | 80,000 | 15,000 | √ | 140,000 | 500,000 | \ | \ | \ |
| 1K107E | 18-22 | 78-84 | 1.24 | ≤1.5 | \ | \ | \ | \ | \ | \ | \ | √ | 150,000 | 500,000 | \ | \ | \ |
| 1K107O | 22-28 | 78-84 | 1.24 | ≤1.5 | \ | \ | \ | \ | \ | \ | \ | √ | 140,000 | 900,000 | \ | \ | \ |
| 1K107W | 14-26 | 75-84 | 1.24 | ≤1.5 | \ | \ | \ | \ | \ | \ | \ | √ | \ | \ | √ | ≤80 | ≥12,000 |
| 1K107H | 18-26 | 78-84 | 1.40 | ≤2.5 | \ | \ | \ | \ | \ | \ | \ | \ | \ | \ | √ | ≤110 | ≥14,000 |
| FN-200 | 20-23 17-20 | 78-84 | 1.25 | ≤2.0 | \ | \ | \ | √ | ≤90 | 20,000 | 12,000 | \ | \ | \ | \ | \ | \ |
| FN-100 | | 78-84 | | ≤2.5 | \ | \ | \ | √ | ≤90 | 8,500 | 7,500 | \ | \ | \ | \ | \ | \ |
| FN-080 | | 78-84 | | ≤2.5 | \ | \ | \ | √ | ≤90 | 5,500 | 5,000 | \ | \ | \ | \ | \ | \ |
| FN-035 | | 78-84 | | ≤3.0 | \ | \ | \ | √ | ≤90 | 4,500 | 4,500 | \ | \ | \ | \ | \ | \ |