

SPECIFICATION FOR APPROVAL

Material

| | |
|----------------------------|---------------------------|
| Production: | Super Sendust Cores |
| FUAN.P/N: | KS090-026A-HF |
| AL: | 19(nH/N ²)±8% |
| Material: | 26 μ |
| Coating Color: | Black |
| Coating material: | epoxy |
| Coating Breakdown Voltage: | 1000V, 0.5mA, 2Sec |



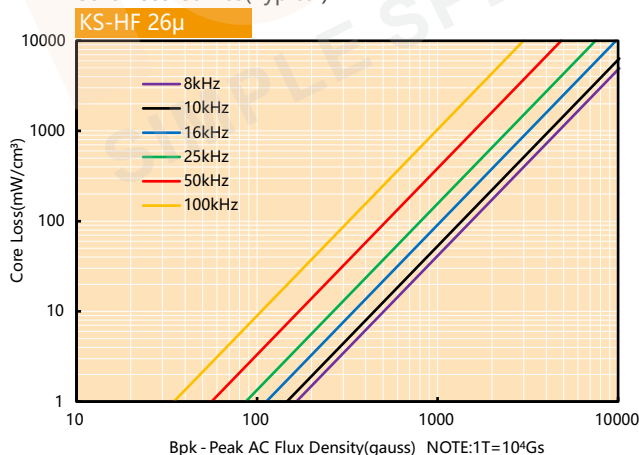
Physical Characteristics

| Before Coating | | | After Coating | | | Le(cm) | Ae(cm ²) | V(cm ³) | W(cm ²) | Weight (g) (ref.) | Box Quantity (Pieces) |
|----------------|----------------|----------------|---------------|-------------|-------------|--------|----------------------|---------------------|---------------------|-------------------|-----------------------|
| OD(Max.) in/mm | ID(Min.) in/mm | Ht(Max.) in/mm | OD(Max.) mm | ID(Min.) mm | Ht(Max.) mm | | | | | | |
| 0.902 22.90 | 0.551 14.00 | 0.300 7.62 | 23.62 | 13.39 | 8.38 | 5.670 | 0.331 | 1.880 | 1.407 | 11.8 | 1008 |

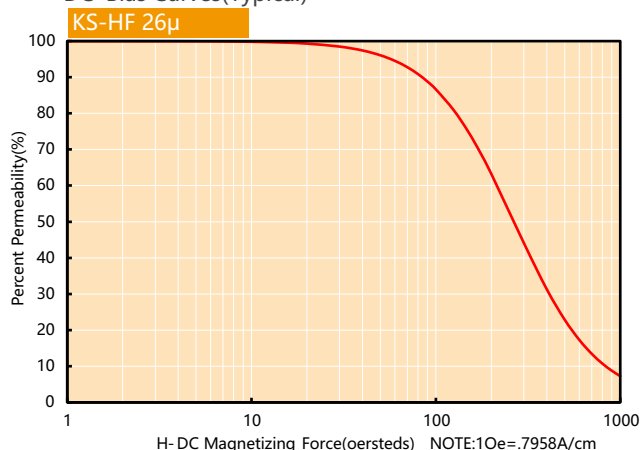
Electrical Parameters(Typical) Temperature(25°C±2°C)

| Test Item | Test Condition | Value(Typical) | Test Instrument |
|------------|---|------------------------------|-----------------|
| Inductance | φ1.2mm/30Ts, 20kHz/1V, I=0A (Evenly full windings) | 17.1μH±8% | CH3302 |
| DC-Bias | φ1.2mm/30Ts, 20kHz/1V, I=30A(H=200Oe) (Evenly full windings) | 9.9μH(Min.) | WK3255B+WK3265B |
| | φ1.2mm/30Ts, 20kHz/1V, I=45A(H=300Oe) (Evenly full windings) | 6.9μH(Min.) | |
| Core Loss | 50kHz/1000Gs | 480mW/cm ³ (Max.) | SY-8219 |
| Remarks | Set the internal resistance of LCR meter to 100Ω. | | |

Core Loss Curves(Typical)



DC- Bias Curves(Typical)



Super Sendust Cores (KS-HF Series) is a new type of magnetic material which has good DC bias characteristics close to Si-Fe cores with core losses similar to Sendust Cores. High permeability KS-HF cores (75-125μ) will be an economic solution for applications which require high permeability such as low power switching power supply, server power, automotive, solar power. KS-HF cores with low permeability (26-60μ) are applied to various large current applications which lower losses and excellent DC bias characteristics are critical. They are applied to various applications such as UPS, power Inverter, industrial power.