

SPECIFICATION FOR APPROVAL

1. Material

| | |
|----------------------------|-----------------------------|
| Production: | Nanodust Cores |
| KDM.P/N: | KAM141-026A |
| AL: | 24(nH/N ²) ± 8% |
| Material: | 26 μ |
| Coating Color: | Khaki |
| Coating material: | epoxy |
| Coating Breakdown Voltage: | 1000V, 0.5mA, 2Sec |



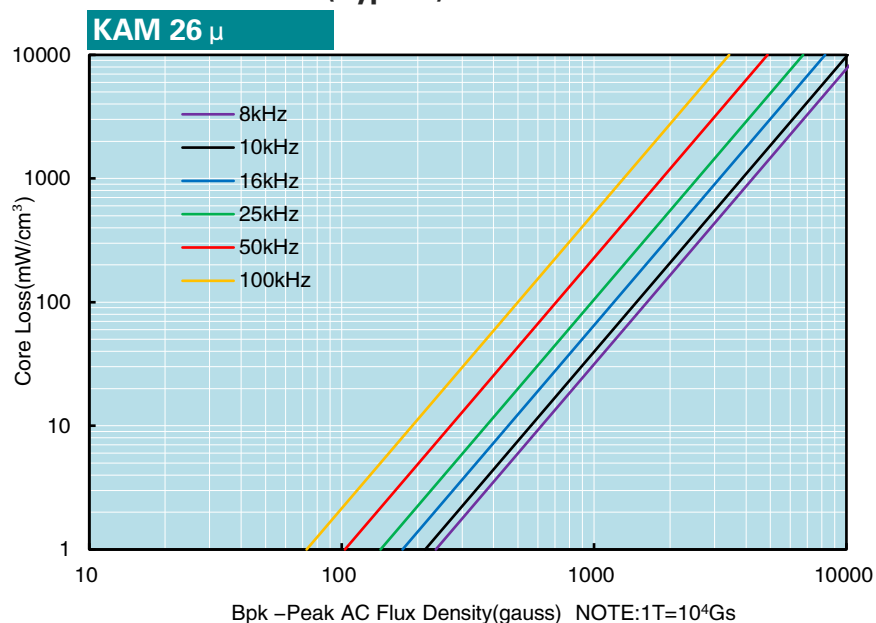
2. Physical Characteristics

| 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 | | | | | | |
| 1.409 35.80 | 0.882 22.40 | 0.413 10.50 | 36.63 | 21.54 | 11.28 | 8.980 | 0.678 | 6.088 | 3.642 | 38.3 | 270 |

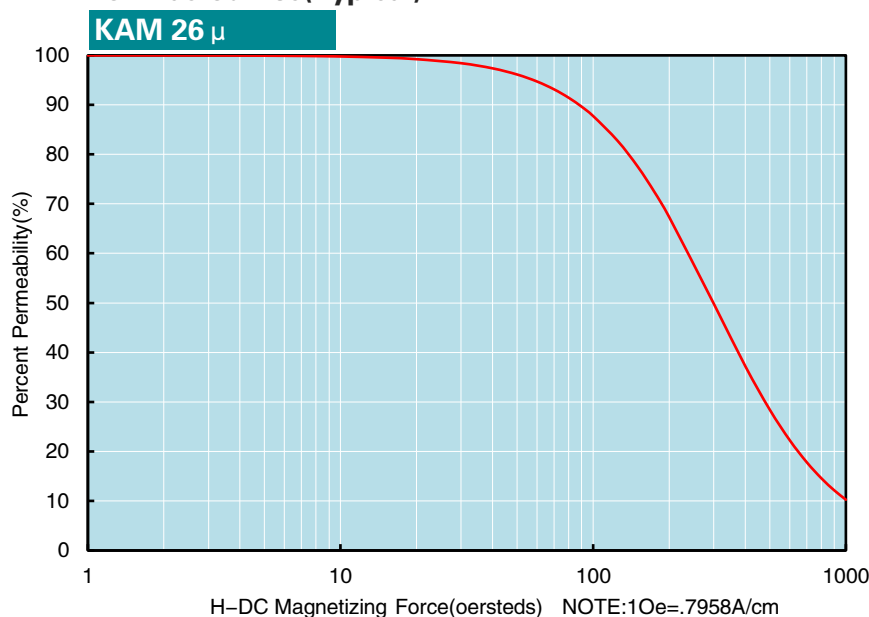
3. Electrical Parameters(Typical) Temperature(25°C ± 2°C)

| Test Item | Test Condition | Value(Typical) | Test Instrument |
|------------|--|------------------------------|-----------------|
| Inductance | φ 1.2mm/48Ts, 20kHz/1V, I=0A (Evenly full windings)(均匀绕满) | 55.3 μ H ± 8% | CH3302 |
| DC-Bias | φ 1.2mm/48Ts, 20kHz/1V, I=30A(H=200Oe) (Evenly full windings)(均匀绕满) | 34.1 μ H(Min.) | WK3255B+WK3265B |
| | φ 1.2mm/48Ts, 20kHz/1V, I=45A(H=300Oe) (Evenly full windings)(均匀绕满) | 25.4 μ H(Min.) | |
| Core Loss | 50kHz/1000Gs | 320mW/cm ³ (Max.) | SY-8219 |
| Remarks | Set the internal resistance of LCR meter to 100 Ω .(电感测试仪内阻设置100 Ω) | | |

Core Loss Curves(Typical)



DC-Bias Curves(Typical)



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