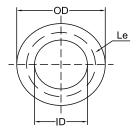
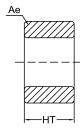


SPECIFICATION FOR APPROVAL

Material

Production:	Si-Fe Cores
FUAN.P/N:	KSF185-026A
AL:	37(nH/N²)±8%
Material:	26 μ
Coating Color:	Blue
Coating material:	ероху
Coating Breakdown	Noltage: 1000V, 0.5mA, 2Sec



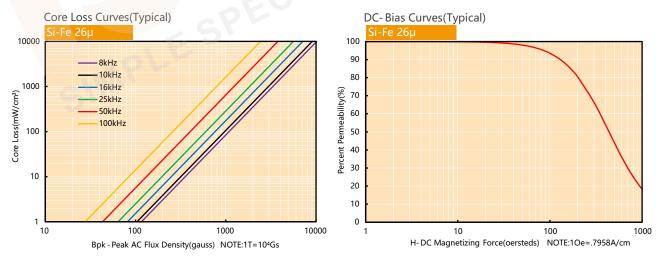


Physical Characteristics

Bef	Before Coating After Coating						Weight				
OD(Max.) in/mm	ID(Min.) in/mm	Ht(Max.) in/mm	OD(Max.) mm	ID(Min.) mm	Ht(Max.) mm	Le(cm)	Ae(cm²)	V(cm³)	W(cm²)	(g) (ref.)	Quantity (Pieces)
1.839	1.130	0.598	47.63	27.89	16.13	11.630	1.340	15.530	6.106	102.4	120

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

Test Item	Test Condition	Value(Typical)	Test Instrument		
Inductance	φ1.2mm/62Ts,20kHz/1V,I=0A (Evenly full windings)	142.2µH±8%	CH3302		
DC-Bias	φ1.2mm/62Ts, 20kHz/1V, I=45A(H=300Oe) (Evenly full windings)	87.7µH(Min.)	WK3255B+WK3265B		
DC-Blas	φ1.2mm/62Ts,20kHz/1V,I=60A(H=400Oe) (Evenly full windings)	72.0µH(Min.)	WK3233B+WK3203B		
Core Loss	50kHz/1000Gs	980mW/cm³(Max.)	SY-8219		
Remarks	Set the internal resistance of LCR meter to 100Ω .				



Si-Fe® Cores (KSF Series) is made from 94% Fe and 6% Si. It is named XFlux by Magnetics and MegaFlux by CSC. It has a saturation flux density of 16000Gs and excellent DC-Bias characteristics. Its core loss is lower than Iron Powder Cores and have no problem of Thermal Aging. It is specially suitable for applying in, High Current Power Choke, Power inductor for energy storage, PFC Chockes and so on. It is also widely applied in solar, wind energy, hybrid powered vehicles. Permeability that we can produce now is 26ui-90ui, toroid and block shape.