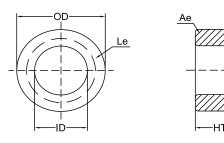


SPECIFICATION FOR APPROVAL

Material

Production:	Si-Fe Cores		
FUAN.P/N:	KSF185-075A		
AL:	107(nH/N ²)±8%		
Material:	75 μ		
Coating Color:	Blue		
Coating material:	ероху		
Coating Breakdown	Voltage: 1000V	0 5mA	2Sec

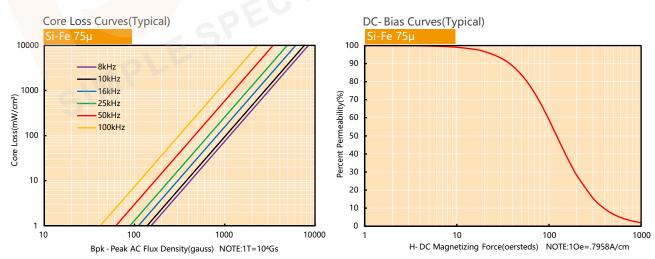


Physical Characteristics

Bef	Before Coating After Coating		ng					Weight	Box		
OD(Max.) in/mm	ID(Min.) in/mm	Ht(Max.) in/mm	OD(Max.) mm	ID(Min.) mm	Ht(Max.) mm	Le(cm)	Ae(cm ²)	V(cm³)	W(cm ²)	(g) (ref.)	Quantity (Pieces)
1.839 46.70	1.130 28.70	0.598	47.63	27.89	16.13	11.630	1.340	15.530	6.106	111.7	120

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

Test Item	Test Condition	Value(Typical)	Test Instrument
Inductance	φ0.80mm/62Ts,20kHz/1V,I=0A (Evenly full windings)	411.3µH±8%	СН3302
DC-Bias	φ0.80mm/62Ts,20kHz/1V,I=15A(H=100Oe) (Evenly full windings)	219.5µH(Min.)	WK3255B+WK3265B
Core Loss	50kHz/1000Gs	750mW/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.