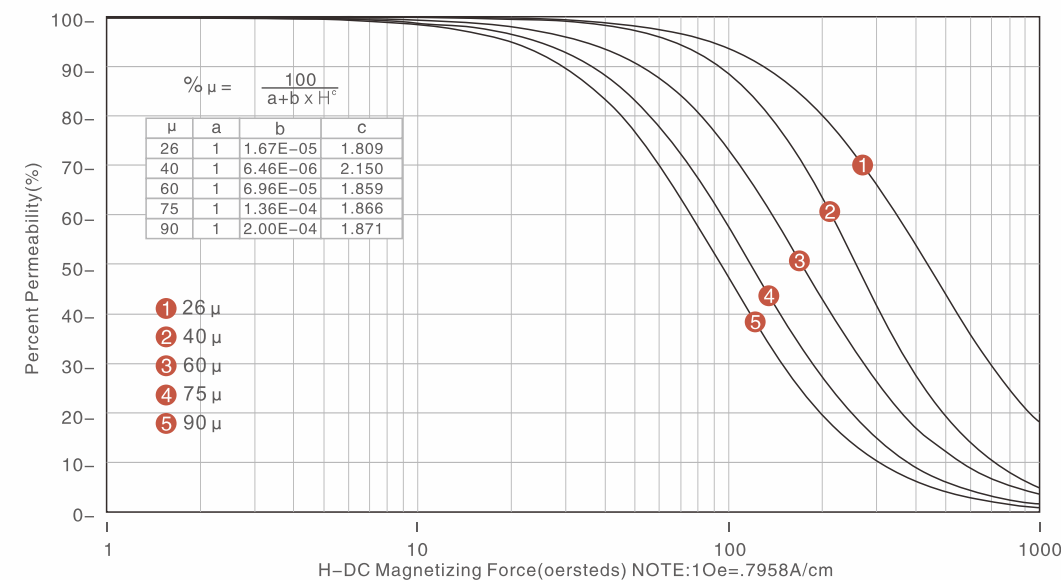




● Percent Change of Permeability vs. DC Magnetizing Force  
磁导率百分率与DC磁化力关系曲线



# 05 铁硅镍磁粉芯

## Neu Flux® Cores ( KNF )

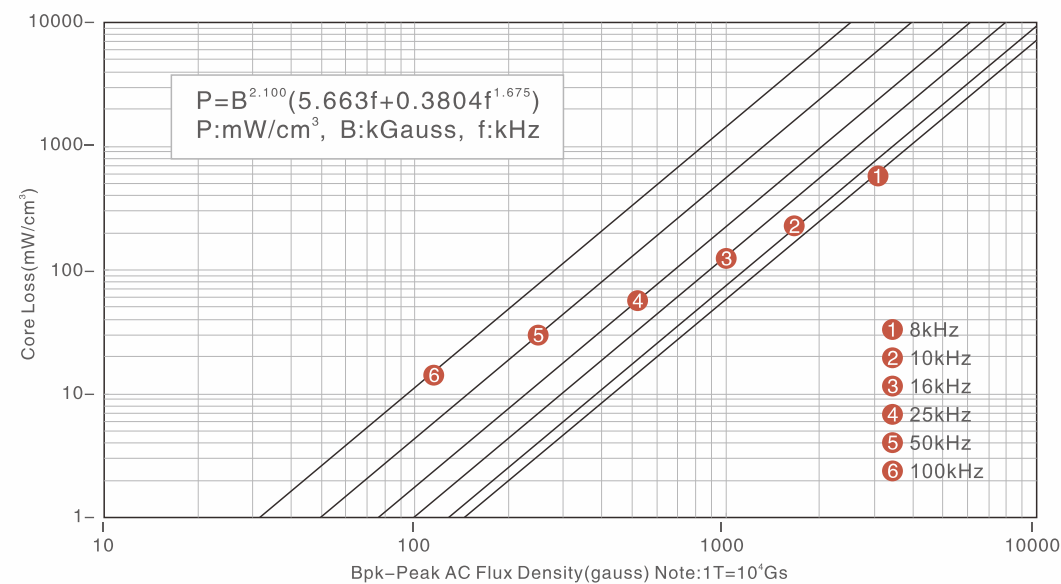
### 主要特征 MAIN FEATURES

- 比铁硅更低的磁芯损耗 Lower Core Losses than Si-Fe® Cores
- 高饱和磁通密度 ( 16000高斯 ) High Saturation Flux Density ( 16,000 Gauss)
- 优异的DC偏流特性 Excellent DC-bias Characteristics

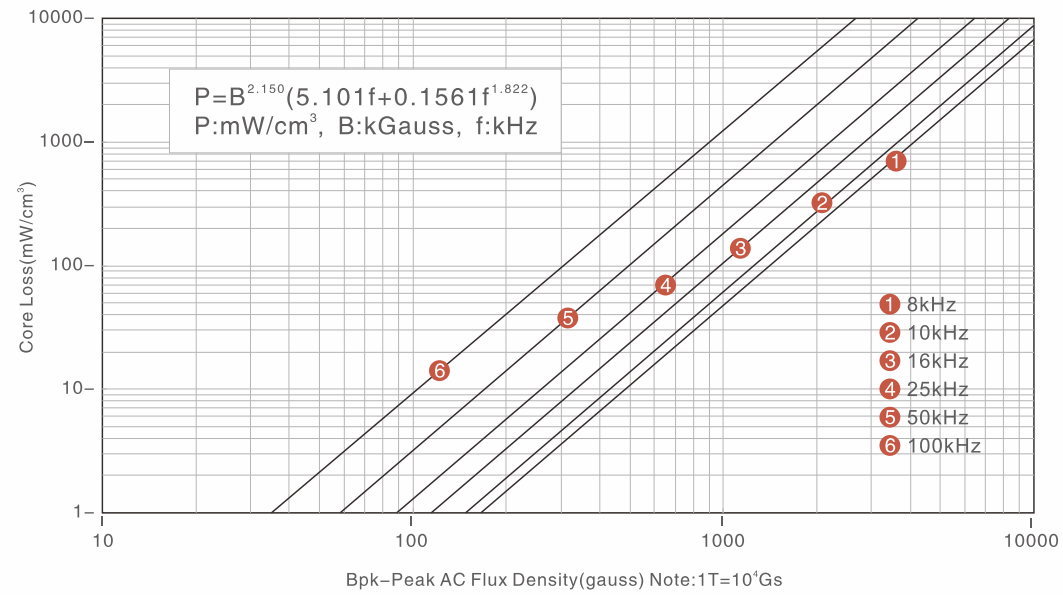
### 主要应用 MAIN APPLICATIONS

- 工业电源 Industrial Power
- 光伏逆变器 PV Inverter
- 不间断电源 Uninterruptible Power Supply

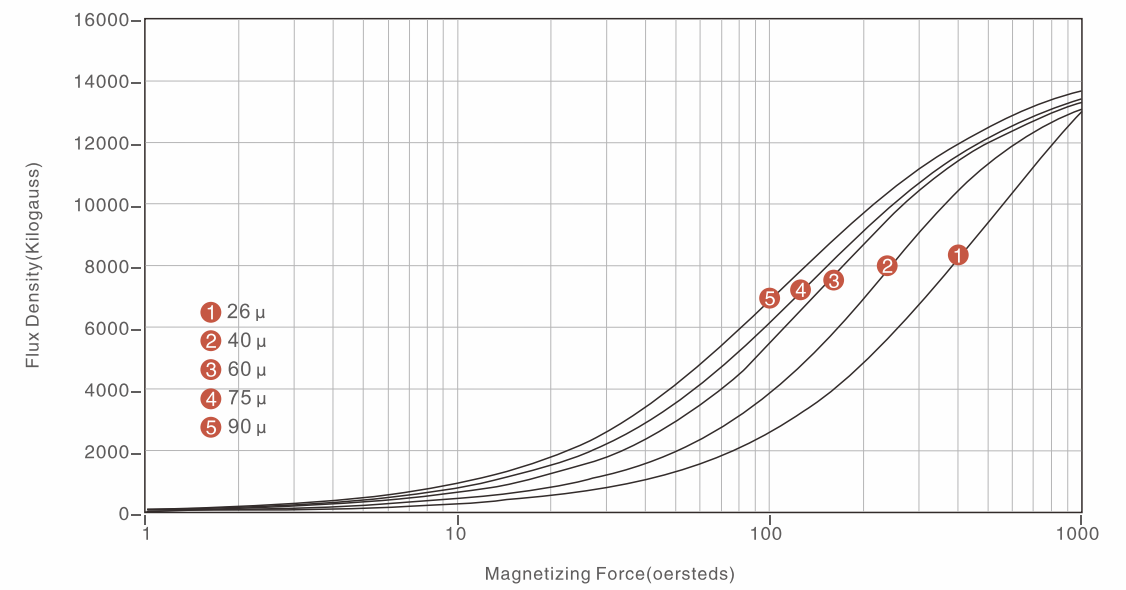
● Typical Core Loss Curves(26  $\mu$  , 40  $\mu$  )  
典型磁粉芯损耗曲线(26  $\mu$  , 40  $\mu$  )



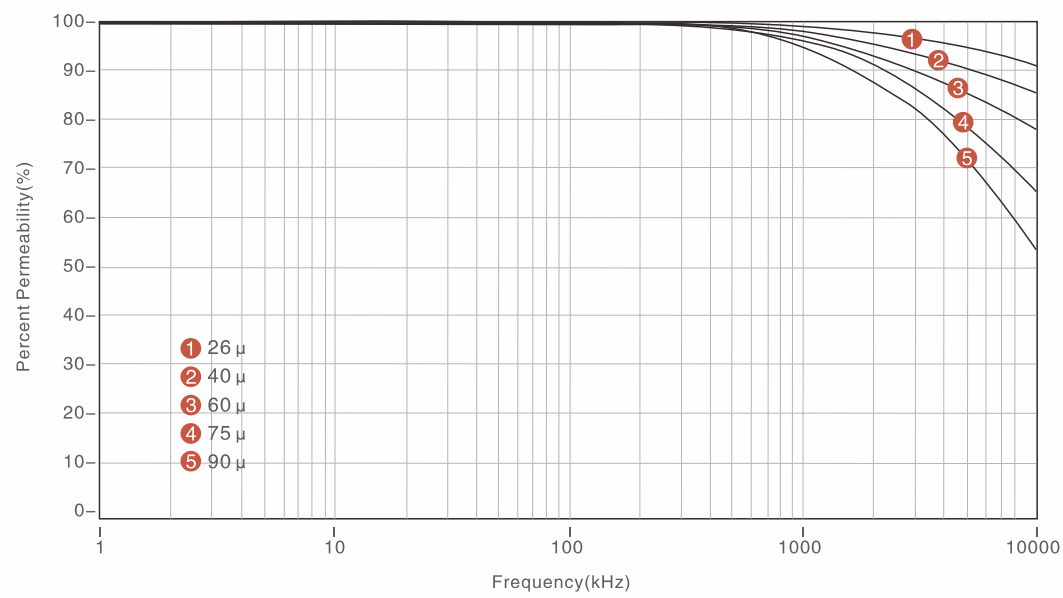
● Typical Core Loss Curves(60 μ ,75 μ ,90 μ )  
典型磁粉芯损耗值曲线(60 μ ,75 μ ,90 μ )



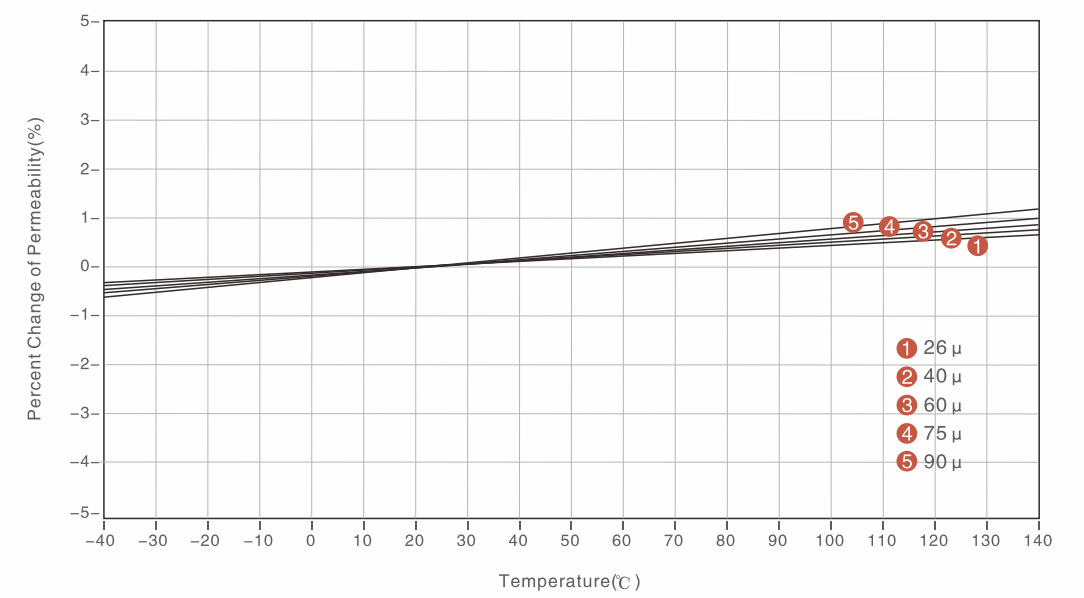
● Normal Magnetization Curves  
标准磁化曲线



● Permeability vs. Frequency  
磁导率与频率关系曲线



● Temperature Stability  
磁导率百分率与温度关系曲线



Part Number	Perm. (μ)	AL ±8%	ℓ <sub>c</sub> in/cm	A <sub>e</sub> in <sup>2</sup> /cm <sup>2</sup>	V in <sup>3</sup> /cm <sup>3</sup>	W in <sup>2</sup> /cm <sup>2</sup>	Dimensions (mm)	
							OD (max) × ID (min) × HT (max)	
							Before Coating	After Coating
KNF050-026A	26	12						
KNF050-060A	60	27	1.229	0.0177	0.022	0.0594	12.70×7.62×4.75	13.46×6.99×5.51
KNF050-075A	75	34	/3.120	/0.114	/0.356	/0.383		
KNF050-090A	90	40						
KNF065-026A	26	15						
KNF065-060A	60	35	1.619	0.0298	0.048	0.1105	16.50×10.20×6.35	17.40×9.53×7.11
KNF065-075A	75	43	/4.110	/0.192	/0.789	/0.713		
KNF065-090A	90	52						
KNF068-026A	26	19						
KNF068-060A	60	43	1.630	0.0360	0.059	0.0990	17.30×9.65×6.35	18.03×9.02×7.11
KNF068-075A	75	53	/4.140	/0.232	/0.960	/0.638		
KNF068-090A	90	64						
KNF080-026A	26	14						
KNF080-060A	60	32	2.010	0.0350	0.070	0.1772	20.30×12.70×6.35	21.10×12.07×7.11
KNF080-075A	75	41	/5.090	/0.226	/1.150	/1.140		
KNF080-090A	90	49						
KNF090-026A	26	19						
KNF090-060A	60	43	2.230	0.0513	0.114	0.2181	22.90×14.07×7.62	23.62×13.39×8.38
KNF090-075A	75	54	/5.670	/0.331	/1.880	/1.410		
KNF090-090A	90	65						
KNF092-026A	26	22						
KNF092-060A	60	51	2.320	0.0610	0.142	0.2307	23.60×14.40×8.89	24.30×13.77×9.70
KNF092-075A	75	63	/5.880	/0.388	/2.280	/1.490		
KNF092-090A	90	76						
KNF106-026A	26	32						
KNF106-060A	60	75	2.500	0.1014	0.254	0.2419	26.90×14.70×11.20	27.70×14.10×11.99
KNF106-075A	75	94	/6.350	/0.654	/4.150	/1.560		
KNF106-090A	90	113						
KNF107-026A	26	22						
KNF107-060A	60	59	2.501	0.0770	0.198	0.2419	26.90×14.70×8.64	27.70×14.10×9.45
KNF107-075A	75	74	/6.352	/0.497	/3.155	/1.561		
KNF107-090A	90	89						
KNF130-026A	26	28						
KNF130-060A	60	61	3.210	0.1042	0.334	0.4537	33.00×19.90×10.70	33.83×19.30×11.61
KNF130-075A	75	76	/8.150	/0.672	/5.480	/2.930		
KNF130-090A	90	91						

Part Number	Perm. (μ)	AL ±8%	ℓ <sub>c</sub> in/cm	A <sub>e</sub> in <sup>2</sup> /cm <sup>2</sup>	V in <sup>3</sup> /cm <sup>3</sup>	W in <sup>2</sup> /cm <sup>2</sup>	Dimensions (mm)	
							OD (max) × ID (min) × HT (max)	
							Before Coating	After Coating
KNF131-026A	26	22						
KNF131-060A	60	51	3.207	0.0854	0.274	0.4537	33.00×19.90×8.76	33.83×19.30×9.70
KNF131-075A	75	64	/8.147	/0.551	/4.490	/2.927		
KNF131-090A	90	76.5						
KNF132-026A	26	28						
KNF132-060A	60	65	3.207	0.1082	0.347	0.4537	33.00×19.90×11.18	33.83×19.30×11.99
KNF132-075A	75	81	/8.147	/0.698	/5.687	/2.927		
KNF132-090A	90	97						
KNF135-026A	26	16						
KNF135-060A	60	38	3.530	0.0704	0.249	0.6193	34.30×23.40×8.89	35.10×22.56×9.83
KNF135-075A	75	47	/8.950	/0.454	/4.060	/4.010		
KNF135-090A	90	57						
KNF141-026A	26	24						
KNF141-060A	60	56	3.540	0.1051	0.372	0.5648	35.80×22.40×10.50	36.63×21.54×11.28
KNF141-075A	75	70	/8.980	/0.678	/6.088	/3.640		
KNF141-090A	90	84						
KNF157-026A	26	35						
KNF157-060A	60	81	3.880	0.1662	0.645	0.6619	39.90×24.10×14.50	40.72×23.30×15.37
KNF157-075A	75	101	/9.840	/1.072	/10.500	/4.270		
KNF157-090A	90	121						
KNF158-026A	26	53						
KNF158-060A	60	122	0.374	0.060	0.592	0.5500	40.13×22.08×17.00	40.94×21.27×17.89
KNF158-075A	75	152	/9.510	/1.537	/15.043	/3.550		
KNF158-090A	90	183						
KNF168-026A	26	47						
KNF168-060A	60	108	4.040	0.229	0.960	0.5648	42.90×24.20×16.26	44.00×23.30×17.16
KNF168-075A	75	135	/10.216	/1.475	/15.741	/3.644		
KNF168-090A	90	161						
KNF184-026A	26	59						
KNF184-060A	60	135	4.230	0.308	1.300	0.6619	46.70×24.10×18.00	47.63×23.32×18.92
KNF184-075A	75	169	/10.740	/1.990	/21.300	/4.270		
KNF184-090A	90	202						
KNF185-026A	26	37						
KNF185-060A	60	86	4.580	0.208	0.953	0.6469	46.70×28.70×15.20	47.63×27.89×16.13
KNF185-075A	75	107	/11.630	/1.340	/15.530	/6.110		
KNF185-090A	90	128						

Part Number	Perm. (μ)	AL ±8%	ℓ <sub>c</sub> in/cm	A <sub>e</sub> in <sup>2</sup> /cm <sup>2</sup>	V in <sup>3</sup> /cm <sup>3</sup>	W in <sup>2</sup> /cm <sup>2</sup>	Dimensions (mm)	
							OD (max) × ID (min) × HT (max)	
							Before Coating	After Coating
KNF200-026A	26	32	5.020 /12.730	0.194 /1.251	0.974 /15.930	1.165 /7.500	50.80×31.80×13.50	51.69×30.94×14.35
KNF200-060A	60	73						
KNF200-075A	75	91						
KNF200-090A	90	109						
KNF225-026A	26	33	5.630 /14.300	0.224 /1.444	12.260 /20.650	1.470 /9.480	57.20×35.60×14.00	58.00×34.70×14.86
KNF225-060A	60	75						
KNF225-075A	75	94						
KNF225-090A	90	112						
KNF226-026A	26	60	4.930 /12.500	0.355 /2.290	1.750 /28.600	0.796 /5.140	57.20×26.40×15.20	58.00×25.60×16.10
KNF226-060A	60	138						
KNF226-075A	75	175						
KNF226-090A	90	207						
KNF250-026A	26	83	5.660 /14.370	0.570 /3.675	3.223 /52.810	1.198 /7.730	62.00×32.60×25.00	63.10×31.37×26.27
KNF250-060A	60	192						
KNF250-075A	75	240						
KNF250-090A	90	288						
KNF268-026A	26	62	6.429 /16.330	0.481 /3.104	3.093 /50.690	1.491 /9.620	68.00×36.00×20.00	69.40×34.70×21.40
KNF268-060A	60	143						
KNF268-075A	75	179						
KNF268-090A	90	215						
KNF290-026A	26	89	7.24 /18.380	0.781 /5.040	5.653 /92.640	2.364 /15.250	74.80×45.30×35.00	75.20×44.07×36.27
KNF290-060A	60	206						
KNF290-075A	75	257						
KNF290-090A	90	309						
KNF300-026A	26	30	7.72 /20.000	0.274 /1.770	2.115 /34.700	2.800 /17.990	77.80×49.20×12.70	78.90×48.20×13.84
KNF300-060A	60	68						
KNF300-075A	75	85						
KNF300-090A	90	102						
KNF301-026A	26	37	7.86 /19.950	0.352 /2.270	2.770 /45.300	2.800 /17.990	77.80×49.20×15.90	78.90×48.20×17.02
KNF301-060A	60	85						
KNF301-075A	75	107						
KNF301-090A	90	128						
KNF400-026A	26	48	9.56 /24.271	0.546 /3.523	5.217 /85.495	3.784 /24.413	101.60×57.15×16.51	103.12×55.75×17.78
KNF400-060A	60	112						
KNF400-075A	75	137						
KNF400-090A	90	164						

Part Number	Perm. (μ)	AL ±8%	ℓ <sub>c</sub> in/cm	A <sub>e</sub> in <sup>2</sup> /cm <sup>2</sup>	V in <sup>3</sup> /cm <sup>3</sup>	W in <sup>2</sup> /cm <sup>2</sup>	Dimensions (mm)	
							OD (max) × ID (min) × HT (max)	
							Before Coating	After Coating
KNF401-026A	26	40	9.56 /24.271	0.461 /2.972	4.401 /72.122	3.784 /24.413	101.60×57.15×13.59	103.12×55.75×14.86
KNF401-060A	60	92						
KNF401-075A	75	115						
KNF401-090A	90	139						
KNF520-026A	26	54	12.77 /32.428	0.829 /5.347	10.580 /173.400	7.225 /46.612	132.54×78.59×20.32	133.96×77.04×21.72
KNF520-060A	60	124						
KNF520-075A	75	155						
KNF520-090A	90	187						
KNF521-026A	26	67.6	12.77 /32.429	1.040 /6.710	13.280 /217.580	7.225 /46.612	132.54×78.59×25.40	133.96×77.04×26.80
KNF521-060A	60	156						
KNF521-075A	75	195						
KNF521-090A	90	234						
KNF650-026A	26	160	15.22 /38.650	2.932 /18.920	44.620 /731.260	9.190 /59.310	165.00×88.90×50.80	167.20×86.90×52.90
KNF650-060A	60	368						
KNF651-026A	26	78	16.22 /41.200	1.529 /9.870	63.085 /407.000	12.440 /80.300	165.00×102.40×31.75	166.50×101.00×33.15
KNF651-060A	60	180						