



## NPH--FeSi二代 ( FeSi2.0 )

适用于高效率电源的低损耗金属粉芯

Low loss powder core suitable for high efficiency power supply

### 应用

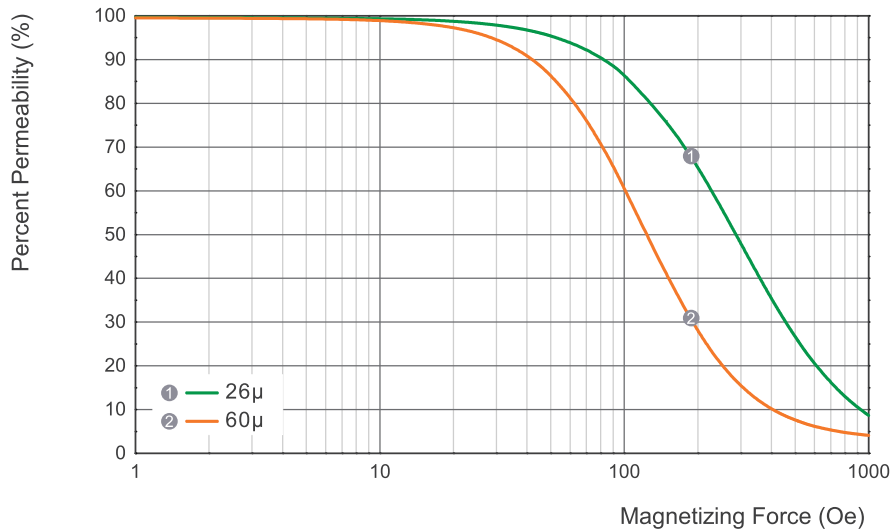
#### Applications

UPS  
光伏逆变器  
服务器电源PFC电感  
新能源汽车  
直流充电桩  
空调

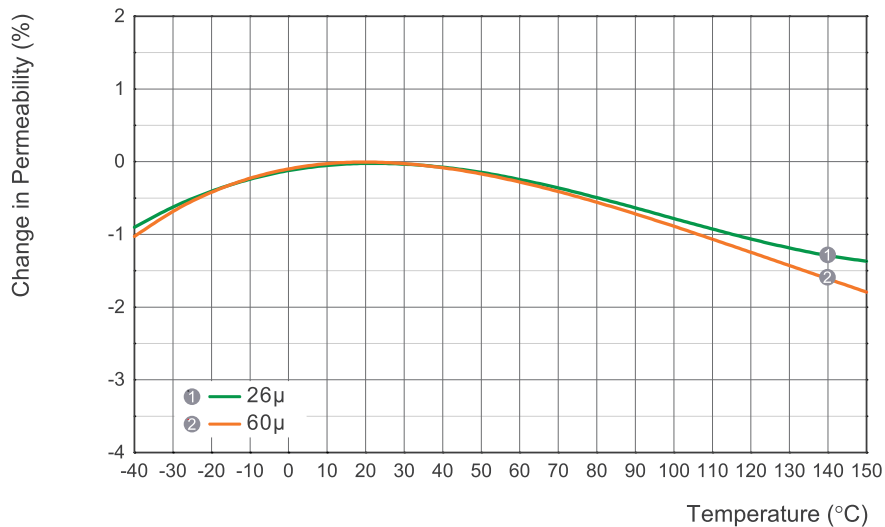
#### UPS

PV inverter  
PFC choke for server power supply  
New energy vehicles  
DC charging pile  
Air conditioner

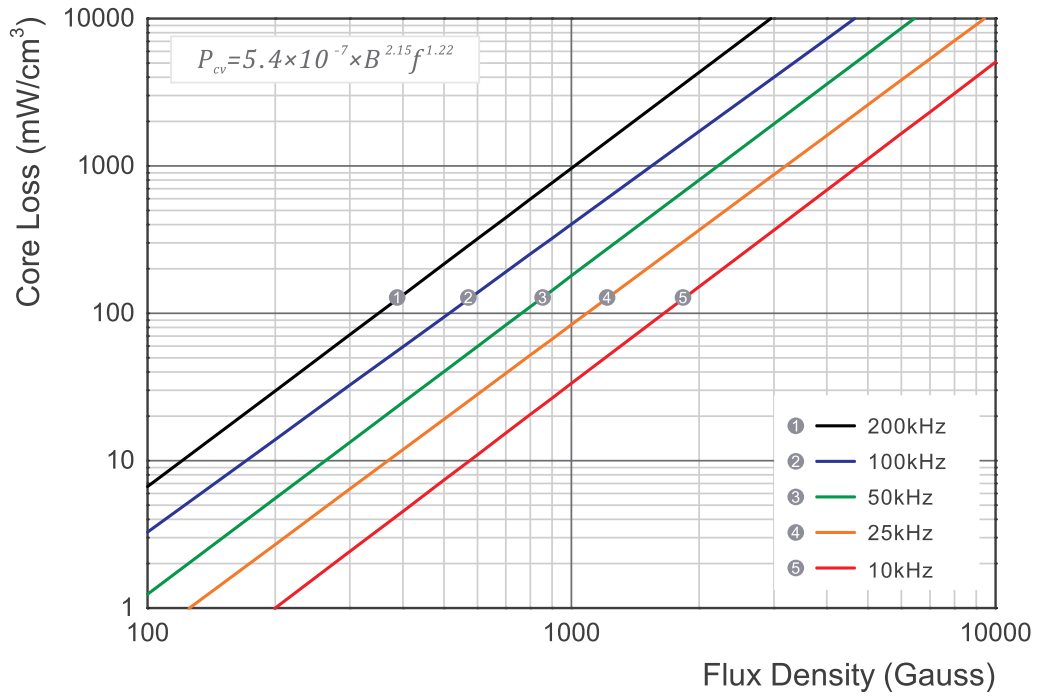
### Permeability vs DC Bias Cures



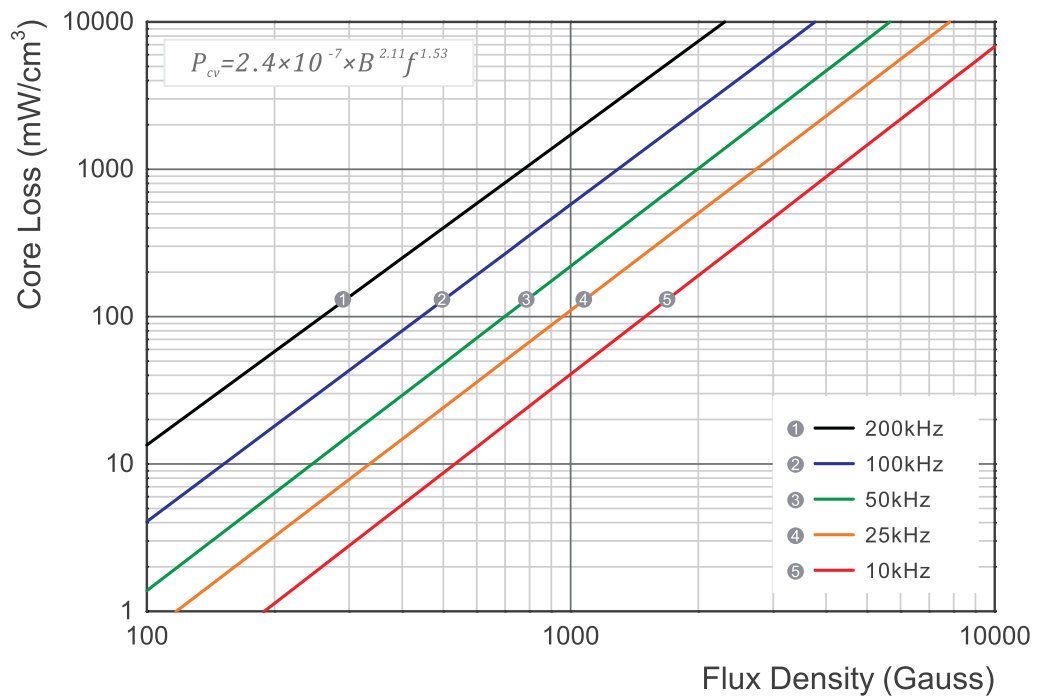
### Permeability vs Temperature Curves



Core Loss 26μ



Core Loss 60μ



# NPH 系列

## NPH SERIES

Part Number	Permeability (μ)	A <sub>v</sub> ±8%	Window Area (Wa)	Cross Section (A)	Magnetic Path Length (ℓ)	Volume (V)	Weight (g)	Dimensions (mm)		Package Unit (pcs/box)
								OD( max )*ID( min )*HT( max )		
								Before coating	After coating	
NPH090026	26	19	277,700 cmil	0.0513 inch <sup>2</sup>	2.230 inch	0.11455 inch <sup>3</sup>	11.832	22.86*13.97*7.62	23.62*13.39*8.38	810
NPH090060	60	43	1.410 cm <sup>2</sup>	0.331 cm <sup>2</sup>	5.67 cm	1.877 cm <sup>3</sup>				
NPH092026	26	22	293,800 cmil	0.0610 inch <sup>2</sup>	2.320 inch	0.1415 inch <sup>3</sup>	14.4	23.57*14.40*8.89	24.28*13.77*9.70	729
NPH092060	60	51	1.490 cm <sup>2</sup>	0.388 cm <sup>2</sup>	5.88 cm	2.2814 cm <sup>3</sup>				
NPH106026	26	32	308,000 cmil	0.1014 inch <sup>2</sup>	2.500 inch	0.2536 inch <sup>3</sup>	27.2	26.92*14.73*11.18	27.70*14.10*11.99	448
NPH106060	60	75	1.560 cm <sup>2</sup>	0.654 cm <sup>2</sup>	6.35 cm	4.154 cm <sup>3</sup>				
NPH107026	26	46	240,706 cmil	0.1390 inch <sup>2</sup>	2.528 inch	0.3514 inch <sup>3</sup>	36.2	28.25*13.10*12.05	29.05*12.47*13.00	448
NPH107060	60	105	1.220 cm <sup>2</sup>	0.897 cm <sup>2</sup>	6.42 cm	5.758 cm <sup>3</sup>				
NPH130026	26	28	577,600 cmil	0.1042 inch <sup>2</sup>	3.210 inch	0.3354 inch <sup>3</sup>	34.6	33.02*19.94*10.67	33.83*19.30*11.61	252
NPH130060	60	61	2.930 cm <sup>2</sup>	0.672 cm <sup>2</sup>	8.15 cm	5.4768 cm <sup>3</sup>				
NPH131026	26	36	465,628 cmil	0.1309 inch <sup>2</sup>	3.074 inch	0.4193 inch <sup>3</sup>	44.676	33.27*18.00*11.52	34.08*17.36*12.50	252
NPH131060	60	83	2.360 cm <sup>2</sup>	0.8443 cm <sup>2</sup>	7.809 cm	6.871 cm <sup>3</sup>				
NPH135026	26	16	788,500 cmil	0.0704 inch <sup>2</sup>	3.530 inch	0.2485 inch <sup>3</sup>	25.704	34.29*23.37*8.89	35.20*22.60*9.83	288
NPH135060	60	38	4.010 cm <sup>2</sup>	0.454 cm <sup>2</sup>	8.950 cm	4.06331 cm <sup>3</sup>				
NPH157026	26	35	842,700 cmil	0.1662 inch <sup>2</sup>	3.880 inch	0.6449 inch <sup>3</sup>	66.7	39.88*24.13*14.48	40.69*23.32*15.37	150
NPH157060	60	81	4.270 cm <sup>2</sup>	1.072 cm <sup>2</sup>	9.84 cm	10.5485 cm <sup>3</sup>				
NPH158026	26	53	700,415 cmil	0.2383 inch <sup>2</sup>	3.744 inch	0.9180 inch <sup>3</sup>	95.2	40.13*22.08*17.00	40.94*21.27*17.89	125
NPH158060	60	122	3.550 cm <sup>2</sup>	1.5372 cm <sup>2</sup>	9.51 cm	15.043 cm <sup>3</sup>				
NPH184026	26	59	842,700 cmil	0.3080 inch <sup>2</sup>	4.230 inch	1.303 inch <sup>3</sup>	135.7	46.74*24.13*18.03	47.63*23.32*18.92	125
NPH184060	60	135	4.270 cm <sup>2</sup>	1.990 cm <sup>2</sup>	10.74 cm	21.373 cm <sup>3</sup>				
NPH185026	26	37	1,206,000 cmil	0.2080 inch <sup>2</sup>	4.580 inch	0.9526 inch <sup>3</sup>	98.9	46.74*28.70*15.24	47.60*27.89*16.13	150
NPH185060	60	86	6.110 cm <sup>2</sup>	1.340 cm <sup>2</sup>	11.63 cm	15.584 cm <sup>3</sup>				
NPH200026	26	32	1,484,000 cmil	0.1940 inch <sup>2</sup>	5.02 inch	0.9739 inch <sup>3</sup>	91.8	50.80*31.75*13.46	51.69*30.94*14.35	96
NPH200060	60	73	7.50 cm <sup>2</sup>	1.251 cm <sup>2</sup>	12.73 cm	15.929 cm <sup>3</sup>				
NPH225026	26	33	1,871,000 cmil	0.2240 inch <sup>2</sup>	5.630 inch	1.261 inch <sup>3</sup>	130.6	57.15*35.56*13.97	58.04*34.75*14.86	96
NPH225060	60	75	9.480 cm <sup>2</sup>	1.444 cm <sup>2</sup>	14.30 cm	20.650 cm <sup>3</sup>				
NPH226026	26	60	1,014,049 cmil	0.3550 inch <sup>2</sup>	4.930 inch	1.750 inch <sup>3</sup>	180.5	57.15*26.39*15.24	58.04*25.58*16.13	96
NPH226060	60	138	5.140 cm <sup>2</sup>	2.290 cm <sup>2</sup>	12.5 cm	28.60 cm <sup>3</sup>				
NPH250026	26	83	1,525,610 cmil	0.570 inch <sup>2</sup>	5.660 inch	3.223 inch <sup>3</sup>	333.54	62.00*32.60*25.00	63.09*31.37*26.26	64
NPH250060	60	192	7.725 cm <sup>2</sup>	3.675 cm <sup>2</sup>	14.37 cm	52.81 cm <sup>3</sup>				
NPH300026	26	30	3,564,544 cmil	0.2740 inch <sup>2</sup>	7.720 inch	2.122 inch <sup>3</sup>	221.3	77.80*49.23*12.70	78.94*47.96*13.97	54
NPH300060	60	68	18.060 cm <sup>2</sup>	1.770 cm <sup>2</sup>	19.61 cm	34.770 cm <sup>3</sup>				
NPH306026	26	37	3,564,544 cmil	0.3440 inch <sup>2</sup>	7.720 inch	2.656 inch <sup>3</sup>	276.4	77.80*49.23*15.88	78.94*47.96*17.15	54
NPH306060	60	85	18.060 cm <sup>2</sup>	2.219 cm <sup>2</sup>	19.61 cm	43.523 cm <sup>3</sup>				
NPH400026	26	40	4,818,025 cmil	0.4606 inch <sup>2</sup>	9.555 inch	4.101 inch <sup>3</sup>	427.38	101.60*57.15*13.59	102.87*55.75*14.86	24
NPH400060	60	92.3	24.413 cm <sup>2</sup>	2.9716 cm <sup>2</sup>	24.271 cm	72.122 cm <sup>3</sup>				
NPH401026	26	47.4	4,818,025 cmil	0.5460 inch <sup>2</sup>	9.555 inch	5.217 inch <sup>3</sup>	537.5	101.60*57.15*16.51	102.87*55.75*17.78	24
NPH401060	60	112	24.413 cm <sup>2</sup>	3.5226 cm <sup>2</sup>	24.271 cm	84.495 cm <sup>3</sup>				
NPH500026	26	54	9,190,484 cmil	0.8288 inch <sup>2</sup>	12.7638 inch	10.9471 inch <sup>3</sup>	1123.9	132.50*78.6*20.3	134.2*77.0*21.70	20
NPH500060	60	124	46.566 cm <sup>2</sup>	5.347 cm <sup>2</sup>	32.42 cm	178.3 cm <sup>3</sup>				