



特征
FEATURES

铁、硅、铝合金
优异的损耗特性
良好的直流偏置特性
低磁致伸缩
良好的温度稳定性

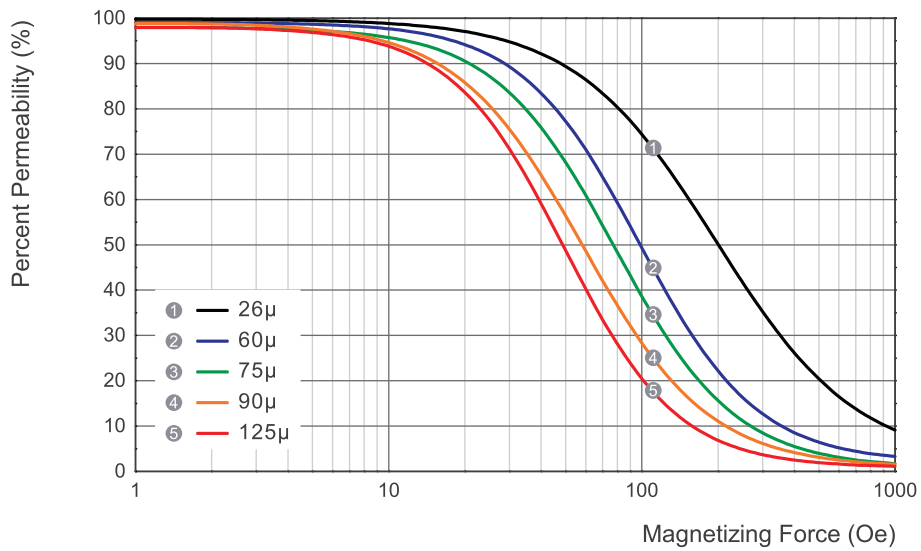
Iron, silicon, aluminum alloy powder
Good core loss
Good DC Bias performance
Low magnetostriction
Good temperature stabilization

应用
APPLICATIONS

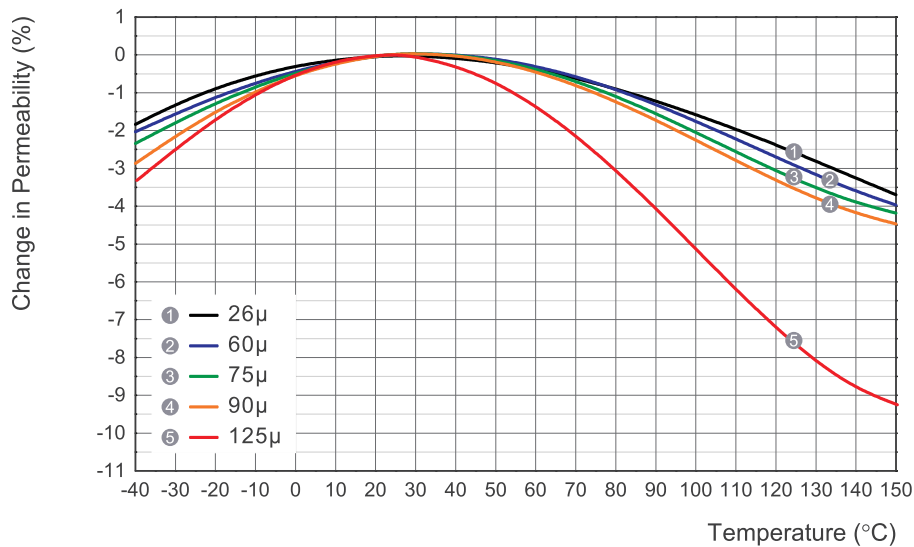
服务器电源PFC电感
开关调节器电感
光伏逆变器升压电感
一般工业电源输出电感
在线噪音滤波

PFC choke for server power supply
Switching regulator inductor
Boost choke for PV inverter
Output choke for general industrial power supply
EMI filter

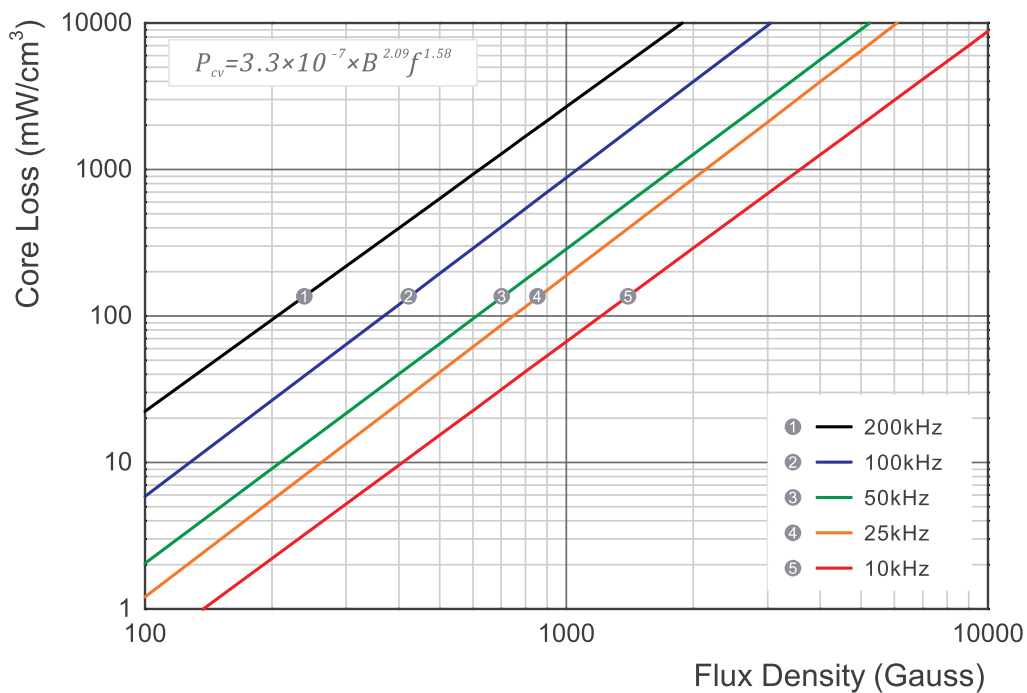
Permeability vs DC Bias Curves



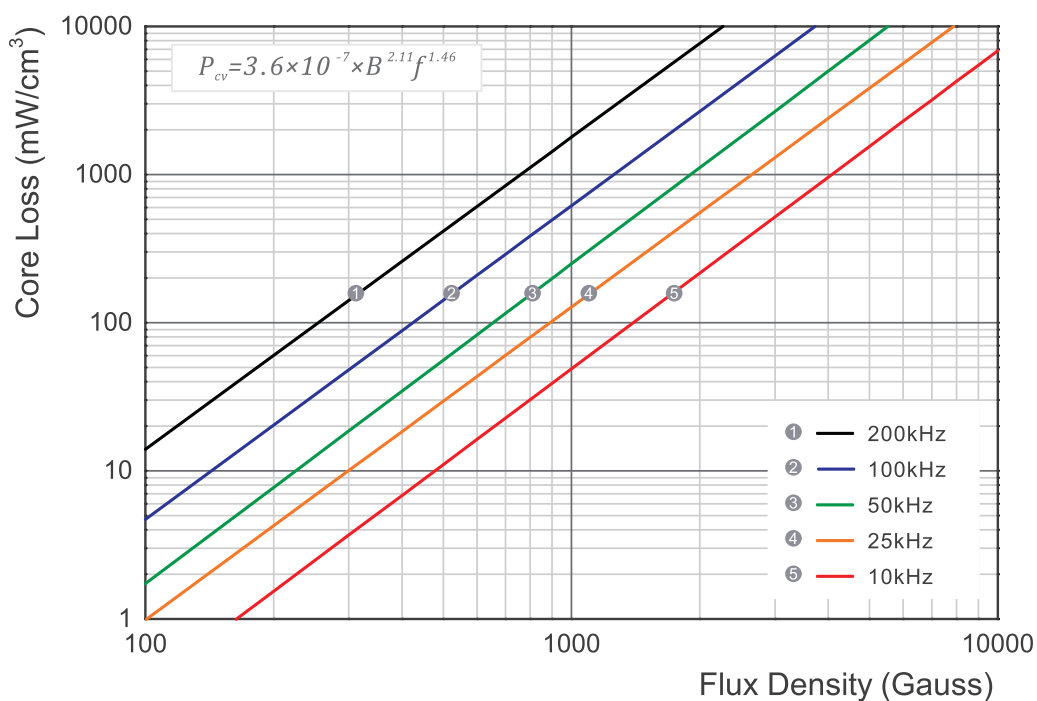
Permeability vs Temperature Curves



Core Loss 26μ



Core Loss 60,75,90,125μ



NPS 系列

NPS SERIES

| Part Number | Permeability (μ) | A _L ±8% | Window Area (Wa) | Cross Section (A) | Magnetic Path Length (ℓ) | Volume (V) | Weight (g) | Dimensions (mm) OD (max)*ID (min)*HT (max) | | Package Unit (pcs/box) |
|-------------|------------------|--------------------|---------------------------------------|--|--------------------------|---|------------|---|-------------------|------------------------|
| | | | | | | | | Before coating | After coating | |
| NPS050026 | 26 | 12 | | | | | | | | |
| NPS050060 | 60 | 27 | | | | | | | | |
| NPS050075 | 75 | 34 | 75,600 cmil 0.383 cm ² | 0.0173 inch ² 0.1114 cm ² | 1.229 inch 3.12 cm | 0.0217 inch ³ 0.35556 cm ³ | 2.2 | 12.70*7.62*4.75 | 13.46*6.99*5.51 | 5500 |
| NPS050090 | 90 | 40 | | | | | | | | |
| NPS050125 | 125 | 56 | | | | | | | | |
| NPS065026 | 26 | 15 | | | | | | | | |
| NPS065060 | 60 | 35 | | | | | | | | |
| NPS065075 | 75 | 43 | 140,625 cmil 0.713 cm ² | 0.0298 inch ² 0.192 cm ² | 1.619 inch 4.11 cm | 0.0483 inch ³ 0.7891 cm ³ | 4.9 | 16.64*10.16*6.35 | 17.40*9.53*7.11 | 2750 |
| NPS065090 | 90 | 52 | | | | | | | | |
| NPS065125 | 125 | 72 | | | | | | | | |
| NPS068026 | 26 | 19 | | | | | | | | |
| NPS068060 | 60 | 43 | | | | | | | | |
| NPS068075 | 75 | 53 | 126,000 cmil 0.638 cm ² | 0.0360 inch ² 0.232 cm ² | 1.630 inch 4.14 cm | 0.05868 inch ³ 0.9605 cm ³ | 6.0 | 17.27*9.65*6.35 | 18.03*9.02*7.11 | 2750 |
| NPS068090 | 90 | 64 | | | | | | | | |
| NPS068125 | 125 | 89 | | | | | | | | |
| NPS080026 | 26 | 14 | | | | | | | | |
| NPS080060 | 60 | 32 | | | | | | | | |
| NPS080075 | 75 | 41 | 225,600 cmil 1.140 cm ² | 0.0350 inch ² 0.226 cm ² | 2.010 inch 5.09 cm | 0.07035 inch ³ 1.151 cm ³ | 7.1 | 20.32*12.70*6.35 | 21.08*12.07*7.11 | 810 |
| NPS080090 | 90 | 49 | | | | | | | | |
| NPS080125 | 125 | 68 | | | | | | | | |
| NPS090026 | 26 | 19 | | | | | | | | |
| NPS090060 | 60 | 43 | | | | | | | | |
| NPS090075 | 75 | 54 | 277,700 cmil 1.410 cm ² | 0.0513 inch ² 0.331 cm ² | 2.230 inch 5.67 cm | 0.11455 inch ³ 1.877 cm ³ | 11.6 | 22.86*13.97*7.62 | 23.62*13.39*8.38 | 810 |
| NPS090090 | 90 | 65 | | | | | | | | |
| NPS090125 | 125 | 90 | | | | | | | | |
| NPS092026 | 26 | 22 | | | | | | | | |
| NPS092060 | 60 | 51 | | | | | | | | |
| NPS092075 | 75 | 63 | 293,800 cmil 1.490 cm ² | 0.0610 inch ² 0.388 cm ² | 2.320 inch 5.88 cm | 0.1415 inch ³ 2.2814 cm ³ | 14.1 | 23.57*14.40*8.89 | 24.28*13.77*9.70 | 729 |
| NPS092090 | 90 | 76 | | | | | | | | |
| NPS092125 | 125 | 105 | | | | | | | | |
| NPS106026 | 26 | 32 | | | | | | | | |
| NPS106060 | 60 | 75 | | | | | | | | |
| NPS106075 | 75 | 94 | 308,000 cmil 1.560 cm ² | 0.1014 inch ² 0.654 cm ² | 2.500 inch 6.35 cm | 0.2536 inch ³ 4.154 cm ³ | 25.7 | 26.92*14.73*11.18 | 27.70*14.10*11.99 | 448 |
| NPS106090 | 90 | 113 | | | | | | | | |
| NPS106125 | 125 | 157 | | | | | | | | |
| NPS107026 | 26 | 46 | | | | | | | | |
| NPS107060 | 60 | 105 | | | | | | | | |
| NPS107075 | 75 | 131 | 240,706 cmil 1.220 cm ² | 0.1390 inch ² 0.897 cm ² | 2.528 inch 6.42 cm | 0.3514 inch ³ 5.758 cm ³ | 35.5 | 28.25*13.10*12.05 | 29.05*12.47*13.00 | 448 |
| NPS107090 | 90 | 158 | | | | | | | | |
| NPS107125 | 125 | 219 | | | | | | | | |

| Part Number | Permeability (μ) | A _L ±8% | Window Area (Wa) | Cross Section (A) | Magnetic Path Length (ℓ) | Volume (V) | Weight (g) | Dimensions (mm) OD(max)*ID(min)*HT(max) | | Package Unit (pcs/box) |
|-------------|------------------|--------------------|---|--|--------------------------|---|------------|--|-------------------|--------------------------|
| | | | | | | | | Before coating | After coating | |
| NPS130026 | 26 | 28 | | | | | | | | |
| NPS130060 | 60 | 61 | | | | | | | | |
| NPS130075 | 75 | 76 | 577,600 cmil 2.930 cm ² | 0.1042 inch ² 0.672 cm ² | 3.210 inch 8.15 cm | 0.3354 inch ³ 5.4768 cm ³ | 33.9 | 33.02*19.94*10.67 | 33.83*19.30*11.61 | 252 |
| NPS130090 | 90 | 91 | | | | | | | | |
| NPS130125 | 125 | 127 | | | | | | | | |
| NPS131026 | 26 | 36 | | | | | | | | |
| NPS131060 | 60 | 83 | | | | | | | | |
| NPS131075 | 75 | 104 | 465,628 cmil 2.360 cm ² | 0.1309 inch ² 0.8443 cm ² | 3.074 inch 7.809 cm | 0.4193 inch ³ 6.871 cm ³ | 43.8 | 33.27*18.00*11.52 | 34.08*17.36*12.50 | 252 |
| NPS131090 | 90 | 125 | | | | | | | | |
| NPS131125 | 125 | 173 | | | | | | | | |
| NPS135026 | 26 | 16 | | | | | | | | |
| NPS135060 | 60 | 38 | | | | | | | | |
| NPS135075 | 75 | 47 | 788,500 cmil 4.010 cm ² | 0.0704 inch ² 0.454 cm ² | 3.530 inch 8.950 cm | 0.2485 inch ³ 4.06331 cm ³ | 25.2 | 34.29*23.37*8.89 | 35.20*22.60*9.83 | 288 |
| NPS135090 | 90 | 57 | | | | | | | | |
| NPS135125 | 125 | 79 | | | | | | | | |
| NPS141026 | 26 | 24 | | | | | | | | |
| NPS141060 | 60 | 56 | | | | | | | | |
| NPS141075 | 75 | 70 | 719,100 cmil 3.629 cm ² | 0.1051 inch ² 0.678 cm ² | 3.540 inch 8.980 cm | 0.3721 inch ³ 6.0884 cm ³ | 37.7 | 35.81*22.35*10.46 | 36.70*21.50*11.28 | 252 |
| NPS141090 | 90 | 84 | | | | | | | | |
| NPS141125 | 125 | 117 | | | | | | | | |
| NPS157026 | 26 | 35 | | | | | | | | |
| NPS157060 | 60 | 81 | | | | | | | | |
| NPS157075 | 75 | 101 | 842,700 cmil 4.270 cm ² | 0.1662 inch ² 1.072 cm ² | 3.880 inch 9.84 cm | 0.6449 inch ³ 10.5485 cm ³ | 65.4 | 39.88*24.13*14.48 | 40.69*23.32*15.37 | 150 |
| NPS157090 | 90 | 121 | | | | | | | | |
| NPS157125 | 125 | 168 | | | | | | | | |
| NPS158026 | 26 | 53 | | | | | | | | |
| NPS158060 | 60 | 122 | | | | | | | | |
| NPS158075 | 75 | 153 | 700,415 cmil 3.550 cm ² | 0.2383 inch ² 1.5372 cm ² | 3.744 inch 9.51 cm | 0.9180 inch ³ 15.043 cm ³ | 93.3 | 40.13*22.08*17.00 | 40.94*21.27*17.89 | 125 |
| NPS158090 | 90 | 183 | | | | | | | | |
| NPS158125 | 125 | 254 | | | | | | | | |
| NPS184026 | 26 | 59 | | | | | | | | |
| NPS184060 | 60 | 135 | | | | | | | | |
| NPS184075 | 75 | 169 | 842,700 cmil 4.270 cm ² | 0.3080 inch ² 1.990 cm ² | 4.230 inch 10.74 cm | 1.303 inch ³ 21.373 cm ³ | 133 | 46.74*24.13*18.03 | 47.63*23.32*18.9 | 125 |
| NPS184090 | 90 | 202 | | | | | | | | |
| NPS184125 | 125 | 281 | | | | | | | | |
| NPS185026 | 26 | 37 | | | | | | | | |
| NPS185060 | 60 | 86 | | | | | | | | |
| NPS185075 | 75 | 107 | 1,206,000 cmil 6.110 cm ² | 0.2080 inch ² 1.340 cm ² | 4.580 inch 11.63 cm | 0.9526 inch ³ 15.584 cm ³ | 97 | 46.74*28.70*15.24 | 47.63*27.89*16.1 | 150 |
| NPS185090 | 90 | 128 | | | | | | | | |
| NPS185125 | 125 | 178 | | | | | | | | |

NPS 系列

NPS SERIES

| Part Number | Permeability (μ) | A _v ±8% | Window Area (Wa) | Cross Section (A) | Magnetic Path Length (ℓ) | Volume (V) | Weight (g) | Dimensions(mm) OD(max)*ID(min)*HT(max) | | Package Unit (pcs/box) |
|-------------|------------------|--------------------|--|--|--------------------------|--|------------|--|--------------------|--------------------------|
| | | | | | | | | Before coating | After coating | |
| NPS200026 | 26 | 32 | | | | | | | | |
| NPS200060 | 60 | 73 | | | | | | | | |
| NPS200075 | 75 | 91 | 1,484,000 cmil 7.50 cm ² | 0.1940 inch ² 1.251 cm ² | 5.02 inch 12.73 cm | 0.9739 inch ³ 15.929 cm ³ | 99 | 50.80*31.75*13.46 | 51.69*30.94*14.35 | 96 |
| NPS200090 | 90 | 109 | | | | | | | | |
| NPS200125 | 125 | 152 | | | | | | | | |
| NPS225026 | 26 | 33 | | | | | | | | |
| NPS225060 | 60 | 75 | | | | | | | | |
| NPS225075 | 75 | 94 | 1,871,000 cmil 9.480 cm ² | 0.2240 inch ² 1.444 cm ² | 5.630 inch 14.3c m | 1.261 inch ³ 20.650 cm ³ | 128 | 57.15*35.56*13.97 | 58.04*34.75*14.86 | 96 |
| NPS225090 | 90 | 112 | | | | | | | | |
| NPS225125 | 125 | 156 | | | | | | | | |
| NPS226026 | 26 | 60 | | | | | | | | |
| NPS226060 | 60 | 138 | | | | | | | | |
| NPS226075 | 75 | 172 | 1,014,049 cmil 5.140 cm ² | 0.3550 inch ² 2.290 cm ² | 4.930 inch 12.5 cm | 1.750 inch ³ 28.60 cm ³ | 177 | 57.15*26.39*15.24 | 58.04*25.58*16.13 | 96 |
| NPS226090 | 90 | 207 | | | | | | | | |
| NPS226125 | 125 | 287 | | | | | | | | |
| NPS250026 | 26 | 83 | | | | | | | | |
| NPS250060 | 60 | 192 | | | | | | | | |
| NPS250075 | 75 | 240 | 1,525,610 cmil 7.725 cm ² | 0.570 inch ² 3.675 cm ² | 5.660 inch 14.37 cm | 3.223 inch ³ 52.81 cm ³ | 327.5 | 62.00*32.60*25.00 | 63.09*31.37*26.26 | 64 |
| NPS250090 | 90 | 288 | | | | | | | | |
| NPS250125 | 125 | 400 | | | | | | | | |
| NPS300026 | 26 | 30 | | | | | | | | |
| NPS300060 | 60 | 68 | | | | | | | | |
| NPS300075 | 75 | 85 | 3,564,544 cmil 18.060 cm ² | 0.2740 inch ² 1.770 cm ² | 7.720 inch 19.61 cm | 2.122 inch ³ 34.770 cm ³ | 217 | 77.80*49.23*12.70 | 78.94*47.96*13.97 | 54 |
| NPS300090 | 90 | 102 | | | | | | | | |
| NPS300125 | 125 | 142 | | | | | | | | |
| NPS306026 | 26 | 37 | | | | | | | | |
| NPS306060 | 60 | 85 | | | | | | | | |
| NPS306075 | 75 | 107 | 3,564,544 cmil 18.060 cm ² | 0.3440 inch ² 2.219 cm ² | 7.720 inch 19.61 cm | 2.656 inch ³ 43.523 cm ³ | 271 | 77.80*49.23*15.88 | 78.94*47.96*17.15 | 54 |
| NPS306090 | 90 | 128 | | | | | | | | |
| NPS306125 | 125 | 178 | | | | | | | | |
| NPS400026 | 26 | 40 | | | | | | | | |
| NPS400060 | 60 | 92.3 | | | | | | | | |
| NPS400075 | 75 | 115 | 4,818,025 cmil 24.413 cm ² | 0.4606 inch ² 2.9716 cm ² | 9.555 inch 24.271 cm | 4.101 inch ³ 72.122 cm ³ | 419 | 101.60*57.15*13.59 | 102.87*55.75*14.86 | 32 |
| NPS400090 | 90 | 139 | | | | | | | | |
| NPS400125 | 125 | 192 | | | | | | | | |
| NPS401026 | 26 | 47.4 | | | | | | | | |
| NPS401060 | 60 | 112 | | | | | | | | |
| NPS401075 | 75 | 137 | 4,818,025 cmil 24.413 cm ² | 0.5460 inch ² 3.5226 cm ² | 9.555 inch 24.271 cm | 5.217 inch ³ 84.495 cm ³ | 491 | 101.60*57.15*16.51 | 102.87*55.75*17.78 | 32 |
| NPS401090 | 90 | 164 | | | | | | | | |
| NPS401125 | 125 | 228 | | | | | | | | |