鐵研 TAK

# 主要磁芯厂商功率材料牌号对照表

## CROSS-REFERENCE TABLE OF POWER MATERIAL GRADES

| 厂商 Vendor | TP40 | TP44 | TP45 | TM80 | TM81 | TM83 | TM50A | TM59 | TM61 | TM65 | TM63 | TM71 | TM82 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TAK鐵研 | TP40 | TP44 | TP45 | TM80 | TM81 | TM83 | TM50A | TM59 | TM61 | TM65 | TM63 | TM71 | TM82 |
| TDK | PC40 | PC44 | PC45 | PC95 | | PC47 | | | PC200 | | | | PC33 |
| EPCOS | N67 | N87 | | N95 | | | | | | | | N45 | |
| FERROXCUBE | 3C90 | 3C94 | | 3C95 | 3C97 | | 3C98 | | 3F45 | | | 3B46 | 3C92 |
| Magnetics | P | R | | T | | | | | | | | | |
| Fair-Rite | | 78 | | 95 | | | 97 | | | | 80 | | |
| FDK | 6H10 | 6H40 | 6H42 | 6H60 | | | 7H10 | | | | | | 4H45 |
| HITACHI | ML24D | ML25D | | ML30D | | | | | ML91S | | ML93S | MT30D | MB19D |
| JFE | MB3 | MB4 | | MBT2 | | | MBF4 | | MC2 | | | | MB1H |
| ACME越峰 | P4 | P41 | P48 | P45 | P451 | P47 | P52 | | P61 | | P63 | N42 | P491 |
| HuohYow华佑 | KL40 | KL44 | | KL33W | | | | | | | | KM30T | |
| TDG天通 | TP4 | TP4A | | TPW33 | TPG33 | TP4F | | | TP5E | | | TD5B | TPB16 |
| DMEGC东磁 | DMR40 | DMR44 | | DMR95 | DMR96 | DMR97 | | | DMR51 | | DMR53 | DMR71 | DMR28 |
| 东阳光 | HE4 | HE44 | | HE6 | | | | | HE5E | | HE5S | | |
| SAMWHA | PL7 | PL11 | | PL9 | | | | | | | | ST30B | |
| ISU | PM7 | PM11 | | PM9 | | | | | | | | BM30 | |

TAK 列为本公司牌号，其余各列为依应用领域列出之初步筛选候选，非可直接互换之等效品；替代前须于相同磁芯外形、绕组与工作条件下复测验证。空格 = 该厂商无对应型号。
TAK row = our grades; the other rows are screening candidates by application, not drop-in equivalents — re-verify any substitution in the same core shape, winding and operating conditions. Blank = no counterpart.

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# 主要磁芯厂商高磁导材料牌号对照表

## CROSS-REFERENCE TABLE OF HIGH PERMEABILITY MATERIAL GRADES

| 厂商 Vendor | E02 | T05 | T07 | T10 | T12 |
|---|---|---|---|---|---|
| TAK鐵研 | E02 | T05 | T07 | T10 | T12 |
| TDK | HF60 | HP5 | H5B2 | H5C2 | H5C4 |
| EPCOS | N48 | T35 | T37 | T38 | T42 |
| FERROXCUBE | 3N1 | 3E27 | 3E26 | 3E5 | 3E6 |
| Magnetics | V | J | | W | |
| Fair-Rite | 31 | 75 | | 76 | |
| FDK | 2H03 | 2H06 | 2H07 | 2H10 | |
| HITACHI | | MQ53D | MP70D | MP10T | |
| JFE | | MA055 | MA070 | MA100 | MA120 |
| ACME越峰 | N5 | A05 | A07 | A10 | A12 |
| HuohYow华佑 | KM25 | KM50 | KM70 | KM100 | |
| TDG天通 | TH2 | TL5 | TL7 | TL10 | TS13 |
| DMEGC东磁 | DMR70 | R5K | R7K | R10K | R12K |
| 东阳光 | | HL5 | HL7 | HL10 | HL12 |
| SAMWHA | | SM50 | SM70 | SM100 | |
| ISU | | HM2A | HM3 | HM5A | |

各列为依应用领域列出之初步筛选候选，非可直接互换之等效品；替代前须于相同磁芯外形、绕组与工作条件下复测验证。空格 = 该厂商无对应型号。 Rows are screening candidates by application, not drop-in equivalents — re-verify any substitution in the same core shape, winding and operating conditions. Blank = no counterpart.