

Materials Reference

HENGLI	HP40	HP44	HB5K	PA7K	PA10K	PA15K
TDK	PC40	PC44	HS52	HS72	HS10	H5C3
EPCOS	N67/N87	N97	T35	T37/T44	T38	T46
FERROXCUBE	3C94	3F3	3E4	3E25/3E27	3E5	3E7
FDK	6H20	6H40	2H06	2H07	2H10	2H15
SAMWHA	PL-7	PL-9	SM-50	SM-70S	SM-100	SM-150
ISU	PM-7	PM-11	HM2A	HM3/HM3A	HM5A	HM7A
TDG	TP4	TP4A	TL5	TL7	TL10	TL15
DMEGC	DMR40	DMR44		DMR6K	DMR10K	DMR15K
TOMITA	2E7	2E8	2E3	2E7	2E2	
KAWATETSU	MB3	MB4	MA005	MA070	MA100	
TOKIN	BH2	BH1	5000H	7000H	12000H	

Symbols and terms

Symbol	Chinese	English	Unit
μ_i	初始磁导率	Initial permeability	
μ_e	有效磁导率	Effective permeability	
Bs	饱和磁通密度	Saturation magnetic flux density	T
Br	剩磁	Residual magnetic flux density	T
Hc	矫顽力	Coercivity	A/m
$\tan \delta$	损耗系数	Loss factor	
$\tan \delta / \mu_i$	比损耗系数	Relative loss factor	
Q	品质因数	Quality factor	
α_μ	温度系数	Temperature coefficient	1/°C
α_{μ_r}	比温度系数	Relative Temperature coefficient	1/°C
Tc	居里温度	Curie Temperatur	°C
D _F	比减落系数	Disaccommodation factor	
ρ	电阻率	Electrical resistivity	$\Omega \cdot m$
d	密度	Density	g/cm^3
P _{cv}	功率损耗	Power loss	KW/m^3
A _L	电感系数	Inductance factor	nH/N^2