

TDG Ferrite Material Selection Guide & Cross Reference

Core Shapes Available: EFD, EE, EQ, Toroid and Planar EQI

Application	TDG Material	Freq	Initial Perm	TDK	Mag Inc	Ferrox-cube	EpCos
High Bs, High Initial Perm <i>xDSL, 100-Base T</i>	TD3		3,200	-	-	-	-
	TD5A		4,500	DN45	-	3E28	T57
High Bs, Low Core Loss <i>UU Cores for Flybacks</i>	TF1		1,800	-	-	-	-
	TF3		2,300	HV22	-	-	-
Low Distortion, High Q, Low THD <i>xDSL</i>	TH2	250KHz	2,300	DN40	-	-	-
	TH10	250KHz	10,000	DN70	-	3E55	T38
Low-Middle Frequency, Low Loss	TP3 (obsolete)	100KHz		PC30 (obsolete)	P	3C8x, 3C90	N27
Middle Frequency, Middle Temp, Low Loss <i>Standard Power Supply</i>	TP4	200KHz	2,300	PC40	R	3C94	N72
	TP4A	300KHz	2,400	PC44	-	3F3, 3C96	-
Middle Frequency, Low Loss	TP4B	300KHz	2,500	PC45	-	-	-
	TP4C	300KHz	3,200	PC46	-	-	-
	TP4D	300KHz	2,500	PC47	-	-	N87
Middle Frequency, High T, Low Loss	TP4S	300KHz	2,000	-	-	3C93	N97
Middle Frequency, High Bs <i>Power Inductor</i>	TP4E	300KHz		PC33	-	3C92	N92
Middle Frequency, Low Loss under Broad Temp	Under Development	500KHz		PC95	-	-	-
High Frequency, Low Loss, Low Flux Level <i>High Frequency Power Supply</i>	TP5	1 MHz	1,400	PC50	K	3F35	N49
	TP5A	2 MHz	1,000	-	L	3F4 3F45	-
High Perm, Low Relative Loss Factor <i>EMI Filter</i>	TS5		5,500	HS52	J	3E25, 3E27	T35, T65
	TS7		7,500	HS72	-	3E26	T37
	TS10		10,000	HS10	W	3E5	T38
	TS10A	High Bs	10,000	-	-	-	-
High Initial Perm	TL13		13,000	H5C4	-	3E6	T42
	TL15		15,000	H5C3	H	3E7	T46