



HIGH PERMEABILITY MATERIALS

	[°C]	CF140	TH4	TD5B	CF191	CF195A CF195B	CF265	CF255	CF190 CF190A	CF197 CF197A	CF275	CF199 CF199A	TL13	TL15
μi	25	2500 ±20%	4000 ±25%	4000 ±25%	4300 ±20%	5000 ±20%	5000 ±20%	5500 ±20%	6000 ±20%	7000 ±20%	7000 ±20%	10000 ±20%	13000 ±30%	15000 ±30%
Tc [°C]		≥ 150	≥ 140	≥ 260	≥ 140	≥ 120	≥ 160	≥ 150	≥ 120	≥ 120	≥ 130	≥ 115	≥ 115	≥ 110
Bs [mT] (10kHz)	25	390	430	550	450	400	460	440	400	400	420	400	360	360
	100	310	270	435	300	260	320	310	280	260	240	260		
tan δ /μi*10⁻⁶ (10kHz)	25		< 5	<1.0	≤ 5.0	≤ 5.0	≤ 5.0	≤ 5.0	≤ 5.0	≤ 7.0	≤ 5.0	≤ 20	≤ 7.0	≤ 7.0
tan δ /μi*10⁻⁶ (100kHz)	25	<2.5	< 70 (500kHz)	<2.0	≤ 20	≤ 20	≤ 25	≤ 15.0	≤ 40	-	≤ 25.0	-	-	-
TDG		TH2	TH4	TD5B	TH4	TS5	TS5	TS5	TS5	TS7	TS7	TS10 TH10	TL13	TL15
TDK-EPCOS		N48	T57	N45	N30	T65	T65	T35	T35	T36	T37	T38	T42 T66	T46
TDK		H6K			H5A	H5S2 HP5	H5S2 HP5		H5B	H5B2	H5B2	H5C H5C2	H5C4	H5C5
Ferroxcube		3H3 3B7	3S1	3S5	3C11	3E4	3E4	3E27	3E25	3E26	3E26	3E5 3E10	3E6 3E12	3E7
Tridelta		Mf183			Mf103 Mf193				Mf197			Mf199		
Iskra		26G		27G	19G	23G			22G	42G	42G	12G	32G	52G
Kaschke		K2007 K2005			K4000	K5500	K5500	K6001	K6000	K6000	K6001	K10000	K12000	K15000
ACME		N4		N42	A05	A05		A05		A07	A07	A10	A121	A151
DMEGC		DMR70	DMR73	DMR71		R5K	R5K	R5K	R5K	R7K	R7K	R10K	R12K	R15K
FDK – FUJI		3H20, 3H21				2H06				2H07	2H07			2H15
FS						FH5K		FH5K		FH7K	FH7K	FH10K	FH13K	FH15K
Hitachi / Nippon												MD10T		
Magnet		JL2				JH5	JH5	JH5A		JH7	JH7A	JH10		
Magnetics		D, G			T	N, J	J	J				W		H
MMG		P12			F9	F9	F9C	F9C	FT6	F10	F10	FTA F39		
Neosid		P1 P12				F9C			F860	F57	F57			F942
Pramet						H40				H60	H60			
Nicera				3B		NC-5Y		NC-5Y		NC7	NC7	NC-10H	12H	15H
SAMWHA		SM23T			SM43T	SM50	SM50		SM60	SM70S	SM70S	SM100		SM150
Thomson, AVX		S4, S3 A9			A6	A5	A5		A4	A3	A3	A2		
TSC Feriten						TSF5000				TSF010K	TSF010K		TSF012K	TSF015K
VOGT		Fi323				Fi340			Fi360			Fi410		

Materials which we usually have in stock are marked with yellow background.

Note : This cross reference chart is indicative, and intended only to help the customer arrive at material grade nearest the grades of other manufacturers listed herein. We do not claim exact equivalence of our material grades to any other manufacturer's grades. Before confirming orders, customers are advised to refer to the "material information data sheet" listing the detailed magnetic and electrical specifications or get in touch with our sales department at semic@semic.cz



Semic Trade, s.r.o., Volutová 2521/18, 158 00 Praha 5
 Telephone: +420 251 625 331, 251 625 332, 251 625 377
 GSM: +420 605 999 994 Fax: +420 251 626 252, 251 626 393



www.semic.cz
semic@semic.cz



CROSS REFERENCE - MnZn

POWER MATERIALS

	[°C]	TP5	TP4E	CF292	CF129	CF196	CF138	CF139	CF297	CF124	CF130 CF101	CF295
μi (25°C)	25	1400 ±25%	1500 ±25%	1800 ±20%	1900 ±20%	2000 ±20%	2100 ±20%	2100 ±20%	2300 ±20%	2500 ±20%	3000 ±20%	3000 ±20%
Tc [°C]		≥ 240	≥ 285	≥ 240	≥ 240	≥ 220	≥ 210	≥ 210	≥ 210	≥ 220	≥ 220	≥ 210
Bs[mT]	25	470	510		510	500	480	490	510	490	520	525
	100	380	440	440	410	400	380	390	410	390	410	410
Pcv [kW/m³]- 16kHz (200mT)	25					< 120				< 100	< 55	
	100				< 60	< 110				< 90	< 130	
Pcv [kW/m³] - 25kHz (200mT)	25					< 160				< 150		
	100			< 70	< 95	< 140-		< 60	< 50	< 130-		
Pcv [kW/m³] - 100 kHz (100mT)	25											
	100			< 100			< 60	< 60	< 50			< 60
Pcv [kW/m³] - 100 kHz (200mT)	25										< 390	< 400
	100		< 480	< 410			< 450	< 380	< 350	< 540	< 800	< 350
Pcv [kW/m³] - 300kHz (100mT)	25											
	100			< 410	< 750	< 900		< 390	< 340	< 500		< 410
Pcv [kW/m³] - 500kHz (50mT)	25											
	100	< 80		230				< 215	< 220			< 250
Frequency range [kHz]		< 1000		< 500				< 500	< 500			
TDG		TP5	TP4E	TP4E		TP3	TP4	TP4A	TP4S	TP4	TP4B TP4C	TP4W TPW33
TDK-EPCOS		N49	N92	N92 N53		N27	N67	N87	N97	N72	N41 N51	N95
TDK		PC50	PC33	HV22 PE33		PC30	PC40	PC44	PC47		PC46	PC95
Ferroxcube		3F35	3C92	3C92 3C93		3C80 3C85	3C90 3C81	3C94 3F3	3C96 3C97	3C81	3C91 3C81	3C95
Tridelta			Mf114	Mf102	Mf104	Mf196	Mf198A	Mf102	Mf106		Mf196B	Mf95
Iskra		75G	75 G	55G		15G	35G	45G	65G		25G	
Kaschke			K2024			K2004	K2006	K2008	K2010	K2500	K2500	
ACME		P51	P42	P42	P49	P-5	P4	P41	P48	N-4	P2 P16	P46
DMEGC		DMR50	DMR21	DMR24 DMR25		DMR30	DMR40	DMR44 DMR55	DMR47 DMR90		DMR46	DMR95
FDK – FUJI		7H10	7H10	7H10		5H20	6H20	6H40	6H41 7H10		6H10	6H42
FS							FP40	FP44	FP44		FP95	
HITACHI / NIPPON		ML14D	ML14D	ML14D	MB19D	SB-3L	ML-240 SB-7C	SB-9C	ML-25D	ML-24D	MT-30D	MB28D ML-32D
Magnet		JP5				JP3	JP4 JP4A	JP4B				JP2
Magnetics		K	H	H			P	R	P	P	F	
MMG / Neosid		F49	F49	F49		F5	F44	F48	F48	F5A	F5C	F63
Nicera		5M	BM29	BM27				NC2H	2HM5		NC1L	
Huch Yow				KL20B			KL40	KL44	KL45			KL33W
Pramet						H21 H22	H24					
SAMWHA		PL-F1				SM19B	PL5 SM19C	PL7	PL11	PL5	SM19D	
Thomson, AVX			B5	B5		B3	B2	F2		B4	B1	
NEC / TOKIN		B40	B40	BH3		B2500	B25 BH2	BH1	BH1 B40		B3100	
TSC Feriten						TSF-7070	TSF-7099	TSF-5080		TSF7070		
VOGT			Fi328			Fi322	Fi324	Fi325	Fi325		Fi323	

Materials which we usually have in stock are marked with yellow background.