

Crossref

competitor	Grade	μi	FXC alternative	Preferred alternative
ACME	H5		4B1	4B1
ACME	P4		3C94 / 3C91	
ACME	P41	2,400		3C94
ACME	P5	2,000		3F3
ACME	B30	300	4B1, 4B3	4B1
ACME	A10		3E5	3E5
ACME	H5M	230	4B1	4B1
ACME	A121	12,000	3E6	3E6
ACME	A101		3E55	3E55
AVX	A2			3E5
AVX	A3			3E26
AVX	A4			3E27
AVX	A5			3E27
AVX	A6		3E4, 3E1	3E27
AVX	A8			3B46
AVX	A9			3S1, 3S4
AVX	B1		3C10, 3C80	3C90
AVX	B2			3C90, 3F3
AVX	B3			3C90, 3F3
AVX	B5			3C90, 3F3
AVX	B7			3C90, 3F3
AVX	B50		3B8 / 3C80 / 3C10	3C90 / 3C94 or 3C15 / 3C30
AVX	B51		3C80 / 3B8	3C90 / 3C94 or 3C15 / 3C30
AVX	B52		3C85	3C90
AVX	F1			3C90
AVX	F2		3F3 (μ 1900)	3F3
AVX	F4		3F35, 3F4 (μ 1100)	3F35, 3F4
AVX	T10		3B7	3H3
AVX	T22		3B8	3C90 / 3C94
AVX	T3		3E5	3E5
AVX	T31		3D3	3D3
AVX	T4		3E4 / 3E25	3E25
AVX	T4A		3E4 / 3E25	3E25
AVX	T6A		3C11 / 3E1	3C11 / 3E1
AVX	T9		3B8	3C90 / 3C94
COSMO	CF1011	3,000	3C81/3C91	3C91
COSMO	CF122	1,700	3C92	3C92
COSMO	CF138	2,100	3C85/3C90	3C90
COSMO	CF139	2,100	3C94	3C94
COSMO	CF140	2,500	3H3	3H3
COSMO	CF190	6,000	3E25	3E25
COSMO	CF191	4,300	3C11	3C11
COSMO	CF195	5,000	3E4	3E4
COSMO	CF196		3C80/3C85	3C90
COSMO	CF197		3E27	3E27
COSMO	CF199	10,000	3E5	3E5
DMEGC	DMR40	2,300	3C90	3C90
DMEGC	DMR44	2,400		3C94
DMEGC	DMR47	2,500	3C94/3C96	3C96
DMEGC	DMR95	3,000	3C95	3C95
DMEGC	DN150H		4S60	4S60
DMEGC	DN25H	250	4B1	4B1
DMEGC	DN65H	700	4A11	
DMEGC	R3K	3,000	3C95	3C95
DMEGC	R4K	4,000	3E28	
DMEGC	R5K	5,000	3C11	3C11(3E25μi 5000)
DMEGC	R6k	6,000	3E25/3E27	
DMEGC	R7K	7,000	3E26	
DMEGC	R10K	10,000	3E5/3E6	3E6
EM-VAC	M6	6,000	3E25/3E27	3E25
Epcos	C302			

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Epcos	C350			
Epcos	C351			
Epcos	K1		4C6	
Epcos	K10		4S2	
Epcos	K12		4E2	
Epcos	K6		4A11 / 4A15	
Epcos	K7		4A15	
Epcos	K8		4A11 / 4S2	
Epcos	L50		3E27	
Epcos	M11		4B1	
Epcos	M13			
Epcos	M25		3B1	
Epcos	M33		3D3	
Epcos	N22		(3H1)	3H3
Epcos	N26		3H1	
Epcos	N27		3C80	
Epcos	N29		3B7	
Epcos	N30	4,300	3E1.3C11	3C11
Epcos	N4		4A15	
Epcos	N41		3C81 (3B8)	
Epcos	N45			3B46
Epcos	N48		3H3	
Epcos	N49		3F35	or 3c95
Epcos	N51		3C91	3C91
Epcos	N53		3C10	
Epcos	N59		3F4	
Epcos	N62		3C15	
Epcos	N67		3C85 / 3C90	
Epcos	N72		(3C90)	
Epcos	N82		3C30	
Epcos	N87		3C94 / 3F3	
Epcos	N92		3C92	
Epcos	N97		3C96	
Epcos	T35	6,000	3E25	
Epcos	T37	6,500	3E26	
Epcos	T38	10,000	3E5	
Epcos	T42	12,000	3E6	
Epcos	T44		3E26	
Epcos	T46	15,000	3E7	
Epcos	T55		3E28	
Epcos	T56	20,000	3E9	
Epcos	T57	4,000	3E28	
Epcos	T65	5,200	3E27	
Epcos	U17		4E1	
Encore	N05	5,000	3E28/3E27	3E28
Encore	N07	7,000	3E26	3E26
Fair-rite	31		3S4	3S4
Fair-rite	33		3D3 (MnZn $\mu$ 500)	3D3
Fair-rite	43		4A11 / 4S2	
Fair-rite	44		4A11/4S2 ( $\mu$ 500)	
Fair-rite	46		4S2F	
Fair-rite	51		4B1 ( $\mu$ 350)	4B1
Fair-rite	61		4C65	4C65
Fair-rite	67		4D2 ( $\mu$ 40)	4D2
Fair-rite	68		4E1 ( $\mu$ 20)	4E1
Fair-rite	73		3S1 ( $\mu$ 2500)	3S1
Fair-rite	75		3E27	3E27
Fair-rite	76		3E5	3E5, 3E55
Fair-rite	77		3C85	3C94
Fair-rite	78		3C90	3C94
Fair-rite	85		3R1	3R1
Ferronics	H		3E7 ( $\mu$ 15000)	3E7

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Ferroxcube	3B9		3H3 ( $\mu$ 1800)	3H3
Fuji / FDK	5H20		3C15	3C15
Fuji / FDK	5H30		3C15	3C15
Fuji / FDK	5H40		3C30 / 3C34	3C30 / 3C34
Fuji / FDK	6H10		3C85	3C90
Fuji / FDK	6H20		3C90	3C90
Fuji / FDK	7H20		3F35	3F35
Hitachi	ND50S	500	4B2/4A11	4B4
Hitachi	SB3L		3C80	3C90
Hitachi	SB5S		3C11 / 3S1	3C11 / 3S1
Kaschke	K800	800	4A11	4A11
Kaschke	K600	600	3D3	3D3
Kaschke	K2000		3C85	3C90
Kaschke	K2001	1,400	3F35	3F35
Kaschke	K2002		3C85	3C90
Kaschke	K2004		3C85	3C90
Kaschke	K2005	2,700	3B7 / 3H3	3B7 / 3H3
Kaschke	K2006		3C85	3C90
Kaschke	K2008		3C90	3C90
Kaschke	K4000		3C11	
Kaschke	K6000	6,000	3E25,3E27	3E27
Kaschke	K80	80	4D2 ( $\mu$ 80)	
Kaschke	K250	200	4B1	4B1
Kaschke	K40	40	4D3	
Kawatetsu(JFE)	MB3		3C94	3C94
Kawatetsu(JFE)	MB4		3C96	3C96
Magneton	M2000HM	2,000	3F3/3C96	
Magnetics	D		3H1	3H3
Magnetics	F		3C81 ( $\mu$ 3000)	3C91
Magnetics	J		3E4	3E4
Magnetics	K		3F3	3F3
Magnetics	P		3C85 ( $\mu$ 2500)	3C90
Magnetics	R		3C85 / 3F3 -> 3C90	3C90 / 3C94
Magnetics	W		3E5	3E5
MMG	F19		4S2	4S2
MMG	F49	1,000	3C92	3C92
NCD	LP2		3C85	3C85
NCD	LP5	1400	3F35	3F35
NCD	LP4	2000	3C96	3C92
NCD	HP2	7,000	3E27	3E27
Neosid	F10		3E25	3E25
Neosid	F39		3E5 / 3E6 ( $\mu$ 10000)	3E5 / 3E6
Neosid	F5A		3B8 / 3C80 ( $\mu$ 2500)	3C90 / 3C94 or 3C15 / 3C30
Neosid	F6		3C80 ( $\mu$ 1200)	3C90 / 3C94
Neosid	F9		3E4 ( $\mu$ 4400)	3E4
Neosid	P10	2,300	3B7,3H1	3B7,3H1
Neosid	P11		3H1, 3H3	3H3
Neosid	DL6	300	3S3	3S3
Nicera	BM27		3C92	3C92
Nicera	2HM5		3C96	3C96
Nicera	NC-1L		3C81, 3C10 ( $\mu$ 3000)	3C81, 3C15
Nicera	NC-2H		3F3 ( $\mu$ 2300)	3F3
Nicera	NC-3M		3F35 ( $\mu$ 1200)	3F35
Nicera	NC-5Y		3E4 / 3E27 ( $\mu$ 5500)	3E4 / 3E27
Nicera	NC-7		3E26 / 3E5 ( $\mu$ 7000)	3E26 / 3E5
Nippon	GQ5C		3E25	3E25
Sagem	527		3C85 / 3F3 ( $\mu$ 2000, PW3)	3C90
Sagem	505		3B7 ( $\mu$ 2000)	3H3
Sagem	506		3H1 ( $\mu$ 2000)	3H3
Sagem	507		3H3 ( $\mu$ 2000)	3H3
Sagem	511		3E25 ( $\mu$ 6000)	3E25
Sagem	512		3E1 / 3E4 ( $\mu$ 4000)	3E1 / 3E4

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Sagem	515		3E5 ( $\mu$ 8000)	3E5
Sagem	517		3B8, 3C85 ( $\mu$ 2000, PW2)	3C90
Sagem	602		4C6 ( $\mu$ 100)	4C6
Samwha	PLF2	1,000	3F4	3F4
Samwha	PL3		3C85	3C90
Samwha	PL5		3C85	3C90
Samwha	PL7		3C90	3C90
Samwha	PL9		3C81/3C91	3C91
SEI	L1		3B8	3C90 / 3C94
Steward	28		4A11 / 4S2	
TDG	TP4A		3C94	3C94+
TDG	TP5		3F35	3F35
TDG	TPW33		3C95	
TDG	TS10	10,000	3E5	3E5
TDK	DN40		3E1 / 3E4 / 3E27 ( $\mu$ 4000)	3E27
TDK	DN50		N45 ( $\mu$ 5500, Bs 550)	under development
TDK	H5A		3C11 / 3E1	3C11 / 3E1
TDK	H5B		3E25	3E25
TDK	H5B2	7,000	3E26	3E26
TDK	H5C	10,000	3E5	3E5
TDK	H5C2		3E5 ( $\mu$ 10000)	3E5
TDK	H5C3		3E7 ( $\mu$ 15000)	3E7
TDK	H5C4		3E6 ( $\mu$ 12000)	3E6
TDK	H5C5		3E8 ? / 3E9 ? (" $\mu$ 30000")	3E8 ? / 3E9 ?
TDK	H5S2	5,000	3E4	3E4
TDK	H6A		3H3	3H1
TDK	H6B		3H1	3H3
TDK	H6F		3D3	3D3
TDK	H6K	2,500	3H3	3H3
TDK	H7B		3C11 / 3E1	3C11 / 3E1
TDK	H7C4		3F3	3F3
TDK	HV22		3C15	3C15
TDK	HV38		3C30	3C30
TDK	HV45		3C34	3C34
TDK	K6A		4C6	4C6
TDK	PC30		3C85	3C90 / 3C94
TDK	PC33		3C92 ( $\mu$ 1400)	3C92
TDK	PC40		3C90	3C90 / 3C94
TDK	PC44		3C94, 3F3	3C94, 3F3 (-> 3C96 / 3F35)
TDK	PC45		3C91	3C91
TDK	PC46		3C91	3C91
TDK	PC47	2,400	3C96.3C94	3C96,3C94
TDK	PC50		3F35 ( $\mu$ 1400)	3F35
TDK	PC90	2,200	3C90.3C94	3C94
TDK	PC95	3,300	3C95	3C95
TDK	PE33		3C92 ( $\mu$ 1700)	3C92
Tokin	3001B		3C80	3C90
Tokin	B40		3F35	3F35
Tomita	2E8		3C85 / 3C90	3C90 / 3C94
Tridelta	Mf104	1,900	3C96/3C92	3C96
Tridelta	Mf196A	1,900	3C96/3C92	3C96
Tridelta	Mf196B	2,800	3C91	3C91
Tridelta	Mf196	2,000	3C90	3C90
Tridelta	Mf198	2,300	3C90	3C90
Tridelta	Mf198A	2,000	3C94,3F3	3F3
Tridelta	Mf102	2,000	3C94	3C94
Tridelta	Mf106	2,000	3C96	3C96
Tridelta	Mf108	1,900	3C92	3C92
TSC	TSF5099		3F3	3F3
TSC	TSC7070	3,000	3C90	3C90
TSC	TSC8040	2,200	3C91	3C91
Vogt	Fi221		4B1	4B1

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Vogt	Fi222		4B1	4B1
Vogt	Fi292	900	4A11	4A11
Vogt	Fi324		3C85	3C90 / 3C94
Vogt	Fi360		3E27	3E27
Wurth	3W800	850	4S2/4S3	4S2
Wurth	4W620	500	4S2/4S3	4s3

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Material Class	Remark				
EMI					
power	$\mu$ i 2500 Pv min @80°C				
power					
power					
EMI					
high perm					
high resistivity	<a href="http://www.acme.com.my/acme2/images/pdf/h5m.PDF">http://www.acme.com.my/acme2/images/pdf/h5m.PDF</a>				
high perm	<a href="http://www.acme-ferrite.com.tw/en/material_a121.asp">http://www.acme-ferrite.com.tw/en/material_a121.asp</a>				
high perm low THD					
high perm	$\mu$ i 10000				
high perm	$\mu$ i 7500				
high perm	$\mu$ i 6000				
high perm	$\mu$ i 5000				
high perm	$\mu$ i 4000				
high perm - high flux	$\mu$ i 3500				
High freq. 3.5MHz for EMI (toroids)	$\mu$ i 2500				
power LOT	$\mu$ i 2500				
power	$\mu$ i 1900, Tc >250C				
power	$\mu$ i 1900, Tc >250C				
power	$\mu$ i 1800, Tc >250C				
power	$\mu$ i 2000, Tc >250C				
power					
power					
power	$\mu$ i 2300, Tc >250C				
power	$\mu$ i 1900				
power	$\mu$ i 1100				
filter					
power					
high perm					
filter					
high perm					
high perm					
high perm					
power					
power					
power					
power					
power					
filter					
high perm					
high perm					
high perm					
power					
high perm					
high perm					
power					
power	Bsat3c95				
power	Pv like 3C96, but perm higher				
power					
EMI					
EMI					
EMI					
power					
high perm					
high perm					
high perm					
high perm					
high perm					
high perm					
ferrite polymer composite					

ferrite polymer composite					
ferrite polymer composite					
filter	mu K1=80, 4C6=100				
EMI	mu K10=600				
high frequency					
EMI	mu = 1000				
EMI	mu = 1500				
EMI	mu = 860				
high perm					
EMI					
EMI	NiZn, mu=2300				
EMI					
filter					
filter					
filter					
power					
filter					
high perm	mu N30=4300, 3E1=3800				
EMI	mu N4=2000				
power	mu N41=3000				
DSL POTS splitters	mu = 3800				
filter					
power					
power	min Pv @50°C				
power LOT					
power					
power LOT					
power					
power	higher perm. mu = 2500				
power LOT					
power					
power	high Tc (>280 C) and Bsat				
power					
high perm					
high perm					
high perm					
high perm					
high perm					
high perm					
high perm					
high perm					
high perm					
high perm					
high perm					
high perm					
high perm					
high perm					
high frequency	mu U17=10				
high perm	tg100kHz 0.1mT 25°C <7				
high perm	tg100kHz 0.1mT 25°C <30				
EMI					
filter					
EMI					
EMI					
EMI	μ500, low cost without Ni, high Z at 250MHz				
EMI					
EMI					
EMI, antenna					
EMI, antenna					
EMI					
high perm					
high perm					
general					
power					
square loop					
high perm					

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filter					
power LOT					
power LOT					
power LOT					
power					
power					
power					
EMI	4B4 $\mu$ i=450				
power					
high perm					
filter	<a href="http://www.kaschke.de/pdf/K800.pdf">http://www.kaschke.de/pdf/K800.pdf</a>				
filter	<a href="http://www.kaschke.de/pdf/K600.pdf">http://www.kaschke.de/pdf/K600.pdf</a>				
power					
power					
power					
power					
filter					
power	<a href="http://www.kaschke.de/pdf/material/K2006.PDF">http://www.kaschke.de/pdf/material/K2006.PDF</a>				
power					
high perm	$\mu$ = 4300				
high perm	<a href="http://www.kaschke.de/pdf/material/K6000.PDF">http://www.kaschke.de/pdf/material/K6000.PDF</a>				
EMI	Tc>335°C				
perminvar	Tc>450°C				
power					
power					
	magneton.ru				
filter					
power	Pv min @ 25 oC				
high perm					
power					
power					
power					
high perm					
EMI					
power	High Bast				
power					
high frequency	<a href="http://www.ncd.com.cn/category/high-frequency-power-ferrite-material-lp5-2593-378d/1">http://www.ncd.com.cn/category/high-frequency-power-ferrite-material-lp5-2593-378d/1</a>				
high saturation	<a href="http://www.ncd.com.cn/category/high-saturation-flux-density-ferrite-material-lp4-2591-5ac3/1">http://www.ncd.com.cn/category/high-saturation-flux-density-ferrite-material-lp4-2591-5ac3/1</a>				
high perm					
high perm					
high perm					
power					
power					
high perm					
filter					
filter					
EMI					
power	ui=2000				
power					
power					
power					
power					
high perm					
high perm					
high perm					
power					
filter					
filter					
filter					
high perm					
high perm					



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high perm					
power					
filter					
power	<a href="http://www.samwha.co.kr/SW_catalogue/access/bigimage.asp?um=pt&amp;callmode=&amp;catimage=">http://www.samwha.co.kr/SW_catalogue/access/bigimage.asp?um=pt&amp;callmode=&amp;catimage=</a>				
power					
power					
power					
power					
power					
EMI					
Power	$\mu=2400$ , Pv~3C96				
power					
power					
high perm					
high perm	low THD				
high perm					
high perm					
high perm					
high perm					
high perm					
high perm	$\mu 15000$ @ -10 oC (Holec)				
high perm	T3/1.3/1.3 -> 21 mT				
high perm	$\mu i=4700(3E4)$				
filter					
filter					
filter					
filter					
high perm					
power					
power LOT					
power LOT					
power LOT					
filter					
power					
power					
power					
power					
power					
power					
power	Pv~3C96				
power					
power	Pv @200mT,100°<300				
power					
power	automobile				
power					
power					
power					
power	improvement of Mf196A high satur				
power	high sat				
power	60°C				
power	up to 100kHz				
power	up to 300kHz				
power	up to 500kHz				
power	up to 500kHz				
power	up to 500kHz				
power	<a href="http://www.tridelta.de/viomatrix/imgs/download/manifer_flyer_neu_englisch">http://www.tridelta.de/viomatrix/imgs/download/manifer_flyer_neu_englisch</a>				
power					
power					
power					
EMI					

Crossref

EMI					
EMI					
power					
high perm					
EMI					
EMI					







