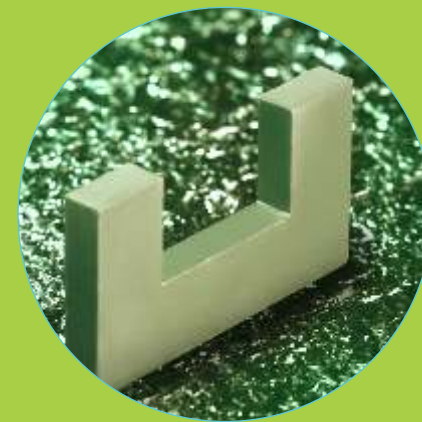




PROPERTY	SYMBOL	UNIT	TEMP. (°C)	MATERIAL															
				CF196	CF139	CF297*	CF124	CF140	CF130	CF195	CF195A*	CF255*	CF265	CF190	CF197	CF275*	CF199		
INITIAL PERMEABILITY ±20%	μ_{ac}	-	25	2000	2100	2100	2500	2500	3000	5000	5000	5500	5000	6000	7000	7000	10000		
SATURATION FLUX DENSITY	B_s	mT	25	500	490	518	490	390	520	400	400	440	460	400	400	420	400		
	(H=1kA/m)		100	400	390	410	390	310	410	260	260	310	320	280	260	240	260		
RESIDUAL FLUX DENSITY	B_r	MT	25	210	-	-	200	110	200	150	-	-	150	150	150	-	150		
COERCIVITY	H_c	A/m	25	16	21	21	16	24	15	12	12	12	12	10	12	240	8		
POWER LOSS DENSITY	Pc (16KHz) 200 mT	Kw/m ³	25	≤120	-	-	≤100	-	-	-	-	-	-	-	-	-	-	-	
			100	≤110	-	-	≤90	-	-	-	-	-	-	-	-	-	-	-	-
	Pc (25KHz) 200 mT	Kw/m ³	25	≤160	-	-	≤150	-	-	-	-	-	-	-	-	-	-	-	-
			100	≤140	-	-	≤130	-	-	-	-	-	-	-	-	-	-	-	-
	Pc (100KHz) 100 mT	Kw/m ³	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			100	-	≤60	≤50	-	-	-	-	-	-	-	-	-	-	-	-	-
Pc (100KHz) 200 mT	Kw/m ³	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		100	-	≤380	≤350	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Relative Loss Factor	$\tan \delta / \mu_{ac} \times 10^{-6}$	(10KHz)	25	-	-	-	-	-	≤2.5	≤5.0	≤5.0	≤5.0	≤5.0	≤5.0	≤7.0	≤5.0	≤20		
		(100KHz)	25	-	-	-	-	≤2.5	-	≤60	≤20	≤15.0	≤25.0	< 40	-	≤25	-		
Hysteresis Mat. Constant	η_B	X10 ⁻⁶	25	-	-	-	-	≤0.4	-	-	≤0.3	≤0.3	≤1.5	≤1.5	-	≤0.3	≤0.3		
Relative Temp. Coefficient	α_r	X10 ⁻⁶	25-55	-	-	-	-	0.4-1.5	-	-	-	0.5-2.0	-	-	-	0.5-2.0	-		
Disaccommodation Factor	D_r	X10 ⁻⁶	25	-	-	-	-	≤3.0	-	-	-	-	-	-	-	-	-		
Sec. Max Permeability	SPM	°C	-	70-90	90-110	90-110	60-80	-	50-70	-	-	-	-	-	-	-	-		
CURIE TEMPERATURE	T_c	°C	-	≥200	≥210	≥210	≥220	≥150	≥200	≥120	≥120	≥150	≥160	≥120	≥120	≥130	≥115		
RESISTIVITY	ρ	Ωm	25	0.4	8	8	0.5	1.0	0.4	0.2	0.5	0.5	0.2	0.5	0.2	0.2	0.1		
DENSITY	d	Kg/m ³	25	4.8 X 10 ³	4.8 X 10 ³	4.8 X 10 ³	4.8 X 10 ³	4.8 X 10 ³	4.8 X 10 ³	4.8 X 10 ³	4.8 X 10 ³	4.8 X 10 ³	4.8 X 10 ³	4.8 X 10 ³	4.8 X 10 ³	4.8 X 10 ³	4.8 X 10 ³		



Note :

1. Material data specified here have been derived from measurements on Toroidal Cores T2512.
2. * New materials
3. As per the Company's policy for continuous improvement in the product portfolio, the right to change materials, core designs etc. At any time without notice is reserved.
4. Initial permeability, relative loss factor and Curie temperature are measured at f= 10KHz and B=0.1 mT.
5. Disaccommodation factor-Done 10 minutes and 100 minutes after demagnetization.