

BROADBAND TRANSFORMERS MATERIALS

Material Characteristics	Conditions	(°C)	CF265	CF255	CF195A	CF275	CF190	CF197	CF199
			5000±20%	5500±25%	5000±20%	7000±25%	6000±20%	7000±20%	9000±30%
Initial Permeability	μ_{iac}	25							
			320	310	260	240	280	260	260
Saturation Flux Density	Bs (H=1kA/m)	100							
			460	440	400	420	400	400	400
		25							
			≤5.0	≤5	≤5.0	≤5	≤5	≤7	≤20
Relative Loss Factor(*10-6)	$\tan\delta/\mu_{iac} \times 10^{-6}$	10							
			≤25	≤15	≤20	≤25	≤40	--	--
		100							
			<1.5	<0.3	<0.3	<0.3	<1.5	<1.5	<0.3
Hysteresis Material Constant(*10-6)	hB	25							
			--	-0.5-2.0	--	-0.5-2.0	--	--	--
Relative Temp. Coefficient(*10-6)	aF	25							
			≥160	>150	≥120	≥130	>120	>120	>115
Curie temperature	TC	1							
			0.2	0.5	0.5	0.2	0.5	0.2	0.1
Resistivity(Ohm m)		25							
			4.8	--	--	--	--	--	--
Density(gm/cc)		1							



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