

Disc Type Ceramic RF High Power Capacitor

Material Characteristics		Unit
Typical Dissipation Factor @ 1MHz for C<1000pF	=<5	$\times 10^{-4}$
Typical Dissipation Factor @ 1kHz for C>=1000pF	=<10	$\times 10^{-4}$
EIA Category	N750	
Volume Resistivity	10^{13}	ohm M
Temperature Range	-55 to +95	°C
Maximum Relative Humidity	75	%

Applications

Radio Broadcast Transmitters

Antenna Units

Induction and dielectric heating

Filter, bypass and coupling circuits in the frequency range 50kHz to 100MHz

Part Number	Capacitance pF	Tolerance	TC	DC KV		Power KVA	Current A rms	Size		
				Rated	Test			D	H	d
AVX81-1	50	10%	N750	10	15	15	12			
	100			10	15	15	12	50	43	
	150			10	20	12	12	50	43	
	200			10	15	12	12	50	43	
AVX81-2	100		N750	12	18	15	15	60	43	M6
	200			8	16	15	15	60	43	
	300			12	18	8	15	60	39	
	500			10	15	8	15	60	39	
AVX81-3	50		N750	12	18	25	20	80	39	M6
	100			13	18	15	20	80	42	
	200			15	22	25	20	80	42	
	300			15	22	30	20	80	42	
	500			15	22	15	20	80	42	
	1000			7	11	15	20	80	38	
AVX81-4	300		N750	25	37	90	20	100	56	M8
	400			20	30	90	20	100	56	
	500			15	22	90	25	100	56	
	1000			10	15	30	25	100	50	
	1500			10	11	30	25	100	50	
AVX81-5	500		N750	25	37	90	30	140	54	M8
	800			25	37	90	30	140	54	
	1000			20	30	100	30	140	54	

	1500			15	22	90	30	140	52		
	2000			10	15	90	30	140	50		
AVX81-6	500		N750	25	37	120	35	150	52	M8	
	1500			15	22	100	35	150	52		
	2000			20	30	100	35	150	52		
AVX81-7	1500		N750	21	30	120	40	160	52	M8	
	2000			20	30	120	40	160	52		
	2500			10	15	90	40	160	48		
	3000			10	15	90	40	160	48		
AVX81-8	1000		N750	30	45	300	60	200	56	M10	
	1500			30	35	250	60	200	56		
	2000			20	30	200	60	200	56		
	3000			14	20	150	60	200	56		
	5000			13	20	150	60	200	56		
	6000			12	18	150	60	200	56		

Drawings and Pictures



