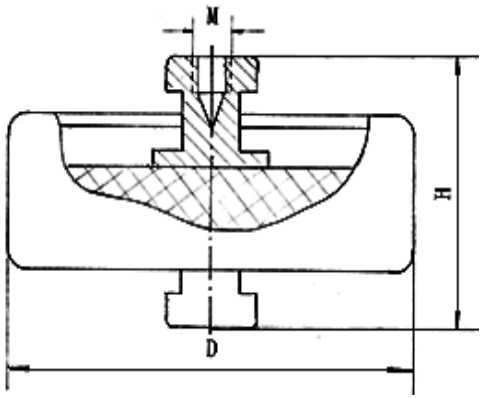
Name:Plate-Shaped RF Power Ceramic Capacitor

Item#.: CCG81 Series



Application

These capacitors are widely used for resonance coupling, bypassing and feeding circuits in high power radio transmitter, high-frequency tube welding equipment, h.f. quenching stove, h.f. electric stove, h.f. drier, plastic thermally synthesizing machine and wireless communication equipment.

Technical Specification

Model	Rated Capacitance	Rated Voltage (KV)		Reactive Power	Max. Current	Dimensions (mm)			Temperature Coefficient
	(PF)	DC	HF(RMS)	(KVA)	(A)	D	H	Copper Nut	(PPM/ ℃)
CCG81-0	100	5	4	40	15	35	21	M6	-750
	150								
	200					40			
	300					45			
		8	5			46			
	330	5	4			48			
		8	5			50			
	350	8	5			51			
CCG81-1	100	15	12	60	20	58	37	M6	
	150					60			
	200						36		
	250						35		
	300	10	8				34		
		12	10				35		
		15	13			65			
	350	10	8			60	34		
		12	10			62			
	500	10	8				33		
	600					64			
CCG81-2	500	12	10	65	25	70	34	M6	
	750	10	8				33		

Model	Rated Capacitance	Rated Voltage (KV)		Reactive Power	Max. Current	Dimensions (mm)			Temperature Coefficient
	(PF)	DC	HF(RMS)	(KVA)	(A)	D	H	Copper Nut	(PPM/ ℃)
CCG81-3	300	12	10	75	30	78	36	M6	-750
		15	12				37		
	350	12	10			80	36		
		15	12				37		
	500	10	8				34		
		13	10				35		
		15	12			82	36		
	1000	8	5			82	33		
		10	8			85			
		13	10			88	34		
CCG81-4	300	20	15	90	30	110	50	M8	
		25	20				51		
		30	25			113			
	500	14	11			100	49		
		15	12			110	47		
		20	15				48		
	600	14	11			100	48		
	1000	10	8				45		
		12	10			110			
		15	12						
	1500	10	8				44		
	1600	11	8			102	43		
CCG81-5	300	30	25	90	40	125	52	M8	
	500	20	15			120	50		
		25	20			125	51		
	1000	15	12			120	46		
	1500	10	8				44		
		12	10				45		
		15	12			122			
CCG81-6	300	30	25	90	60	138	52	M8	
	500	25	20			140			
		30	25						
	1000	15	12	125			48		
		21	15				49		
	1500	15	12				46		
	1600	14	10						
	2000	12					45		
		13				142			
	3000	12				145	44		

Model	Rated Capacitance	Rated Voltage (KV)		Reactive Power	Max. Current	Dimensions (mm)			Temperature Coefficient
	(PF)	DC	HF(RMS)	(KVA)	(A)	D	H	Copper Nut	(PPM/ ℃)
CCG81-7	500	30	25	125	60	150	52	M8	-750
	1000	25	20				50		
	1500	21	15				47		
	2000	15	12				46		
	2200						45		
	2500	10	8						
		12	10			152			
CCG81-8	1000	30	25	125	60	158	51	M8	
	1500	25	20				48		
	2000	21	15				47		
	2500	12	10				45		
CCG81-9	1000	30	25	150	60	200	55	M10	
	1500	25	20						
	1600								
	2000	15	12				45		
		20	15						
	2500	15	12						
		20	15						
	3000	15	12						
	4000	13	10						
	5000								
	6000	12	10			205			

Technical parameters:

1.Typical dissipation factor: ≤0.0008;

2.Volume resistivity: ≥10000MΩ;

3. Permissible variation of rated capacitance: K（+/-10%）;

4.Temperature range: -40/+85;

5. Rated temperature: +85℃;

6.Maximum relative humidity: 75%;

7. Test voltage: 2 times of rated voltage if the rated voltage ≤15KV or 1.5 times of rated voltage if the rated voltage>15KV.