

TMCC02 High Voltage Ceramic Disc Capacitor

Specification

- Capacitance: Under 1KHz (CLASS II) and 1KHz (CLASS I) and $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$, $V_{rms}=1.0\text{V}$ conditions, not exceed capacitance tolerance.
- Dissipation factor(D.F.): SI.YL Q>1000
Y5P Y5U Y5V D.F.<2.5%
Bn D.F.<0.5%
2R D.F.<0.1%
- Insulation resistance: At DC500V voltage for 1 minute, CLASS I
I.R. $\geq 10000\text{M}\Omega$.CLASS II I.R. $\geq 4000\text{M}\Omega$
- Test voltage: $U_R < 6\text{KV}, U_t = 1.5U_R + 500\text{V}$ $U_R \geq 6\text{KV}, U_t = 1.5 \times U_R$



Capacitor range and diameter

U _r (DC)	TEMP.COEF./(PE).							Damx	Tmax
	CLASS I		CLASS II						
	SL	YL (N3300)	COMMON D.F.			LOW D.F.			
2B ₁ (Y5P)			2E ₁ (Z5U)	2F ₁ (Z5V)	Bn	2R ₁ (Y5R)			
1KV	10-100	100-200	100-470	1000	1500	-	-	5	4.0
	120-220	240-470	560-1000	2200	3300	100-470	100-560	5	
	240-470	500-750	1500-2200	5600	10000	560-820	680-1000	5	
	560	-	2700-3300	10000	-	1000-1800	1200-1500	12	
	-	820-1000	4700-6800	-	22000	2200-2700	1800	14	
	-	-	10000	22000	-	3300-4700	-	16	
2KV	10-68	56-120	100-560	1000-1500	1500-2200	100-330	100-330	8	5.0
	82-150	150-220	1000-1500	2200	3300-4700	360-680	470-560	10	
	180-270	270-390	2200-2700	3300	5600-8200	820-1000	680-1000	12	
	330-390	470-560	3300-3900	4700-6800	10000	1200-1800	1200-1500	14	
	470-560	680-1000	4700	10000	-	2200-3300	1800	16	
	-	-	-	-	22000	3900-4700	-	18	

Capacitor range and diameter

U _r (DC)	TEMP.COEF./(PE).							Damx	Tmax
	CLASS I		CLASS II						
	SL	YL (N3300)	COMMON D.F.			LOW D.F.			
2B ₁ (Y5P)			2E ₁ (Z5U)	2F ₁ (Z5V)	Bn	2R ₁ (Y5R)			
3KV	-	-	100-470	100-390	680-1000	-	-	8	6.0
	-	-	270-470	470-560	2200-3300	100-270	330-470	10	
	-	-	560-820	680-1000	4700-5600	330-680	560-680	12	
	-	-	1000-1500	1500-2200	8200	820-1500	820-1000	14	
	-	-	1800-2200	3300-3900	10000	1800-2200	1500	16	
	-	-	2700-3300	4700	-	-	-	18	
6.3KV	-	-	100-470	220-680	1000	-	-	10	7.0
	-	-	680-820	1000	1500	-	-	12	
	-	-	1000	1500	1800	-	-	14	
	-	-	1500	1800	2200	-	-	16	
	-	-	1800	2200	3300	-	-	18	
	-	-	150-220	330	470	-	-	10	
10KV	-	-	330	470-680	1000	-	-	14	7.5
	-	-	-	1000	-	-	-	16	
	-	-	1000	-	2200	-	-	18	
15KV	-	-	100-150	330	470	-	-	10	8.0
	-	-	220-330	470	680	-	-	12	
	-	-	470	680	-	-	-	14	
	-	-	680	-	1000	-	-	18	

DC(V)	Dia	Code	CODE	SHAPE	CODE	SPACE	CAP	CODE	TOL	CODE
L	500	6.0	6	1	Long straight type	B	5.0	560PF	±10%	K
N	1000	7.4	8	3	Short straight type	C	6.35	1000PF	±20%	M
R	2000			4	Single inner kinked	D	9.5	10000PF	+50%	S
S	3000			5	Double kinked	E	7.6		-20%	
U	10KV			6	Frog foot type	F	12.5		+80%	Z
V	15KV								-20%	

