

Ceramic Capacitors Manufacturer



WWW.DONG-IL.NET

DC DONGIL ELECTRONIC CO., LTD.



TYPE DESIGNATION ORDER INFORMATION

DONGIL ceramic capacitors are simple in construction and can be applied to tuning, coupling and by passing from HF to UHF frequency range.

1	2	3	4	5	6	7	8
DS	2E	YE	222	M	F	K	V

1	CLASS AND TYPE	CC : Temperature Compensation Type CG : Semi-conductor Type DA : AC Voltage Type (T.V : 4000V)	CK : High Dielectric Type DS : AC Voltage Type (T.V : 3000V) FNR, DN : G31D, C.R Multiple Type (T.V : 1250V)																																																																		
2	RATED VOLTAGE	<table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> <th>G</th> <th>H</th> <th>J</th> <th>K</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1V</td> <td>1.25V</td> <td>1.6V</td> <td>2V</td> <td>2.5V</td> <td>3.15V</td> <td>4V</td> <td>5V</td> <td>6.3V</td> <td>8V</td> </tr> <tr> <td>1</td> <td>10V</td> <td>12.5V</td> <td>16V</td> <td>20V</td> <td>25V</td> <td>31.5V</td> <td>40V</td> <td>50V</td> <td>63V</td> <td>80V</td> </tr> <tr> <td>2</td> <td>100V</td> <td>125V</td> <td>160V</td> <td>200V</td> <td>250V</td> <td>315V</td> <td>400V</td> <td>500V</td> <td>630V</td> <td>800V</td> </tr> <tr> <td>3</td> <td>1KV</td> <td>1.25KV</td> <td>1.6KV</td> <td>2KV</td> <td>2.5KV</td> <td>3.15KV</td> <td>4KV</td> <td>5KV</td> <td>6.3KV</td> <td>8.0KV</td> </tr> <tr> <td>4</td> <td>10KV</td> <td>12.5KV</td> <td>16KV</td> <td>20KV</td> <td>25KV</td> <td>31.5KV</td> <td>40KV</td> <td>50KV</td> <td>63KV</td> <td>80KV</td> </tr> </tbody> </table>			A	B	C	D	E	F	G	H	J	K	0	1V	1.25V	1.6V	2V	2.5V	3.15V	4V	5V	6.3V	8V	1	10V	12.5V	16V	20V	25V	31.5V	40V	50V	63V	80V	2	100V	125V	160V	200V	250V	315V	400V	500V	630V	800V	3	1KV	1.25KV	1.6KV	2KV	2.5KV	3.15KV	4KV	5KV	6.3KV	8.0KV	4	10KV	12.5KV	16KV	20KV	25KV	31.5KV	40KV	50KV	63KV	80KV
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3	TEMPERTURE CHARACTERISTICS	CC (CLASE I) CH : 0 ± 60PPM/°C – BLACK SL : -1000 – +350PPM/°C – OMITTED	CK (CLASE II) B : Y5P(+10 ~ -10%) E : Y5U(+20 ~ -55%) F : Y5V(+30 ~ -80%) BN : Y5P(+10 ~ -10%) R : Y5R(+15 ~ -15%)																																																																		
		CG (CLASE III) F : Y5V(+30 ~ -80%)																																																																			
4	CAPACITANCE	The first two digits are significant figures of capacitance and third one denotes number of following zeros. OR5 : 0.5pF 150 : 15pF 101 : 100pF 102 : 1,000pF 103 : 10,000pF 224 : 220,000pF																																																																			
5	CAPACITANCE TOLERANCE	C : ±0.25pF D : ±0.5pF J : ±5% K : ±10% M : ±20% P : +100% ~ -0% Z : +80% ~ -20%																																																																			
6	PACKING STYLE	F : Taping B : Bulk C : Cutting																																																																			
7	LEAD VARIATION	S : Straight Type K : Kink Type V : Vertical Crimp Type																																																																			
8	LEAD CUTTING	Cutting Standard : 4.0±0.5mm (Straight / Kink / Vertical Crimp)																																																																			

DC HIGH VOLTAGE CERAMIC CAPACITORS

CAPACITANCE VALUE ACCORDING TO TYPE (pF)

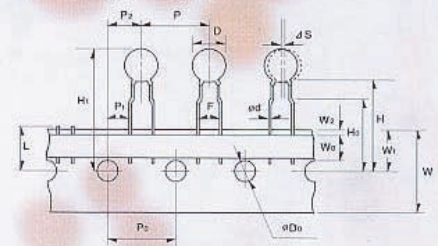
Rated Voltage	Part Number	Dimensions(mm)				Capacitance(pF)				Marking	
		D (Max)	T (Max)	F	dΦ	SL	B(Y5P)	E(Y5U)	F(Y5V)		
1KV DC	CK3A△△□□□△□□	7.0	4.5	5.0	0.5	10~100	100~1200	1000	1000~4700	B 471K 2KV	
	CK3A△△□□□△□□	9.0				120~180	1500~2200	2200~3300	6800~10000		
	CK3A△△□□□△□□	11.0				220~390	2700~3300	4700~6800	-		
	CK3A△△□□□△□□	13.0		10.0		470~680	4700	10000	22000		
	CK3A△△□□□△□□	16.0				820	5600~6800	-	-		
	CK3A△△□□□△□□	19.0				1000	10000	-	-		
2KV DC	CK3D△△□□□△□□	7.0	5.0	5.0	0.6	10~82	100~1000	1000	1000~2200		
	CK3D△△□□□△□□	9.0				100~150	1200~1500	2200	3300~4700		
	CK3D△△□□□△□□	11.0				180~220	1800~2200	3300~4700	6800		
	CK3D△△□□□△□□	13.0		10.0		270~330	2700	-	10000		
	CK3D△△□□□△□□	16.0				390~470	3300~4700	10000	15000		
	CK3D△△□□□△□□	19.0				560	5600~6800	-	22000		
	CK3D△△□□□△□□	21.0				680	8200~10000	-	-		
3KV DC	CK3F△△□□□△□□	7.0	5.5	5.0	0.6	5~47	100~680	1000	1000	D < 10	
	CK3F△△□□□△□□	9.0				56~150	820~1200	2200	1500~3300		
	CK3F△△□□□△□□	11.0		10.0		180~220	1500	-	4700		
	CK3F△△□□□△□□	13.0				270	1800	4700	6800~10000		
	CK3F△△□□□△□□	16.0				330~390	2200~2700	-	-		
	CK3F△△□□□△□□	19.0				-	3300	10000	-		
	CK3F△△□□□△□□	23.0				-	3900~5600	-	-		
6KV DC	CK3J△△□□□△□□	9.0	7.0	10.0	0.6	10~47	100~560	1000	1000~2200		B222K 2KV DIC
	CK3J△△□□□△□□	11.0				56~68	680~820	2200	3300		
	CK3J△△□□□△□□	13.0				82	1000~1500	-	4700		
	CK3J△△□□□△□□	15.0				100~150	-	-	6800		
	CK3J△△□□□△□□	17.0				-	-	-	-		
	CK3J△△□□□△□□	19.0				-	-	4700	10000		
10KV DC	CK4A△△□□□△□□	9.0	7.5	10.0	0.8	-	100~270	-	1000	B102K 10KV DIC	
	CK4A△△□□□△□□	11.0				-	330~390	1000	2200		
	CK4A△△□□□△□□	13.0				-	470~680	2200	3300		
	CK4A△△□□□△□□	16.0				-	820~1000	-	4700		
	CK4A△△□□□△□□	19.0				-	1200~1500	4700	6800		
	CK4A△△□□□△□□	23.0				-	-	-	10000		
12KV DC	CK4B△△□□□△□□	9.0	8.0	10.0	0.8	-	100~390	-	1000		D ≥ 10
	CK4B△△□□□△□□	11.0				-	470	1000	2200		
	CK4B△△□□□△□□	13.0				-	560~680	-	3300		
	CK4B△△□□□△□□	16.0				-	820~1000	2200	4700		
	CK4B△△□□□△□□	19.0				-	1200~1500	-	6800		
	CK4B△△□□□△□□	23.0				-	2000	4700	-		
15KV DC	CK4C△△□□□△□□	9.0	8.0	10.0	0.8	-	100~220	-	1000		
	CK4C△△□□□△□□	13.0				-	330~470	-	2200		
	CK4C△△□□□△□□	16.0				-	680	-	4700		
	CK4C△△□□□△□□	19.0				-	1000	-	-		

TAPING TYPE CAPACITORS

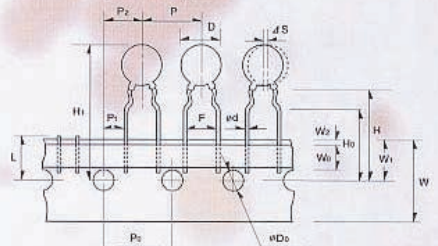
TAPING DIMENSIONS

Item	Code	Dimensions(mm)			
		1	2-3	4	5
Body Diameter	D	5.0 Max	5.0 < D ≤ 11.0	13.0 Max	20.0 Max
Body Thickness	T	4.0 Max		5.0 Max	7.0 Max
Lead Diameter	Φ d	0.5±0.05(0.6±0.05)		0.6±0.05	
Pitch of Sprocket Hole	P ₀	12.7±0.3		15.0±0.3	
Pitch of Component	P	12.7±1.0		15.0±1.0	30±1.0
Lead length from Hole	P ₁	3.85±0.7		3.75±1.0	
Center to Lead		6.35±1.3		7.5±1.5	
Lead length from Hole	P ₂	3.85±0.7		3.75±1.0	
Center to component Center		6.35±1.3		7.5±1.5	
Lead Spacing	F	5.0 ^{+0.8} _{-0.2}	7.5±1.0	10.0±1.0	
Deviation along Tape, Left, or Right	ΔS	0±1.0			
Deviation across Tape	Δh	0±2.0			
Carrier tape width	W	18.0 ^{+0.8} _{-0.2}			
Hold down tape Width	W ₀	5.0 Min		9.0 Min	
Position of Sprocket hole	W ₁	9.0±0.5			
Hold Down Tape Position	W ₂	3.0 Max			
Height of Component From Hole Center	H	20.0±1.0			
Lead-Wire Clinch Height	H ₀	16.0±0.5			
Component Height	H ₁	32.25 Max			
Portion to Cut in case of Defect	L	11.0 Max			
Lead Protrusion	Lx	1.0 Max			
Diameter of Sprocket Hole	D ₀	4.0±0.2			
Total Tape Thickness	t ₁	0.7±0.2			
Total Thickness, Tape and Lead Wire	t ₂	1.5 Max			

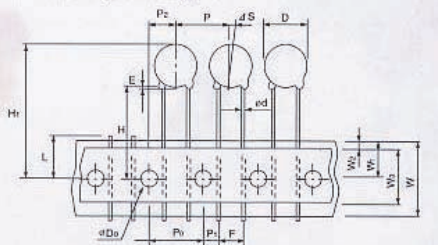
1. 12.7 pitch Type



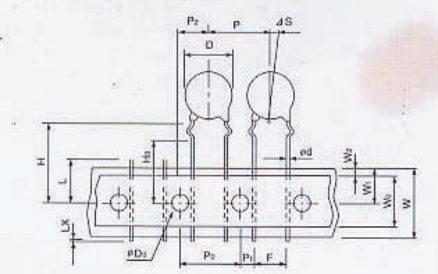
2. 12.7 pitch Type



3. 12.7 pitch Type



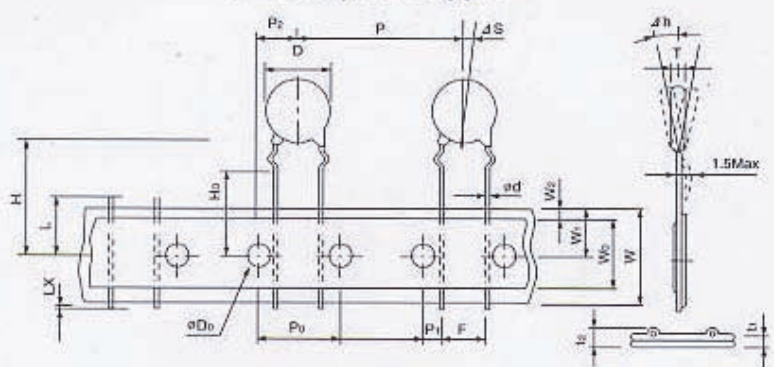
4. 15.0 pitch Type



STANDARD PACKING

Coated Material	Quantity(pcs)	Pitch Rated Voltage
Phenol Resin	2,000	12.7mm DC 50V, DC 500V
Epoxy Powder	2,000	12.7mm
	1,500	DC 3KV 이상
	1,000, 1,500	15.0mm
	500, 1,000	30.0mm

5. 30.0 pitch Type



FLAT PACK

