



The ACAP Corporation was founded 1988 in Taiwan and offers a broad portfolio of standard and customized high voltage ceramic capacitors for professional use in e.g. industrial, measurement and medical application.

ACAP products are developed and manufactured in Taiwan. All capacitors are approved by UL, CSA and VDE.

All static and dynamic key parameters are verified under strict quality inspection by own equipment under all electrical, thermal and mechanical influences.

This high flexibility enables also the realization of custom specifications on demand.



- Ceramic Disc Capacitors (Radial & axial)
6-30kV, cascadable
- Ceramic Doorknob Capacitors
(screw mountable, radial- und axiale types)
10kV-40kV, cascadable
- SMD Ceramic Capacitors
- Customized sizes and electrical specifications possible on request

Target Application:

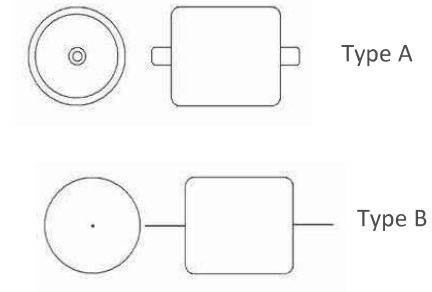
- HV-Power Supplies / HV Generators
- Ignition
- Surface Treatment Application
- Laser Cutting
- Medical (CRT, Medical Scanners, X-RAY)
- Microwave Application
- Food Industry/ Preservation



Door Knob HV Ceramic Capacitors (HM Series)

ACAP HM Ceramic Capacitors Series is available in a wide variety of physical sizes and configurations. General purpose is coupling, blocking or by-passing application. Customized parts are possible, please ask for configurations not listed below.

NPO					
Dimension Max(mm)	10KV*	15KV	20KV	30KV	40KV
26.0	47**	41	22	18	12
33.0	85	68	47	33	25
39.4	100	91	120	47	38
54.1	240	200	150	100	60
58.4	350	270	220	150	80
61.5	470	330	240	220	100
N2200					
Dimension Max(mm)	10KV*	15KV	20KV	30KV	40KV
26.0	120**	91	68	47	33
33.0	220	180	120	90	56
39.4	330	270	200	150	80
54.1	600	470	330	220	150
58.4	680	510	390	290	180
61.5	820	680	510	360	220
Y5U					
Dimension Max(mm)	10KV*	15KV	20KV	30KV	40KV
22.0	1500	1200	1000	680	470**
26.0	2700	2200	1800	1000	600
33.0	3900	3600	2700	1800	1000
39.4	5600	4300	3600	2700	1800
54.1	6800	5600	4700	3900	2700
58.4	10000	6800	5600	4700	3300
61.5	15000	10000	6800	5600	4700



Operating Temperature Range: -30 ~ +85°C
 Storage Temperature Range: -40°C ~ + 100°C
 Dielectric Withstanding Strength: 150% of rated voltage @ 5s/ T_{ambient} =25°C
 50mA_{max} charging current
 Insulation Resistance: 200GΩ / 1000Ω·F @ 25°C
 Corona Limit: 50pC @ rated AC voltage
 Self Resonant Frequency: depends on diameter
 Power Factor: 0.1%max for class I @ 1MHz; 2% max for class II – III @ 1KHz

Ordering Code:

HM50 Y5U 102 K 4A --- A
 (1) (2) (3) (4) (5) (6)

- (1) Type: High screw Mounting
Dimension: 30=30mm, 45=45mm, 60=60mm, 70=70mm,.....
- (2) Temperature Coefficient: NPO, N470, N2200, Y5P, Y5U, Y5V,.....
- (3) Capacitance: 102=1000PF, 103=10,000PF, 5R0=5PF,.....
- (4) Tolerance: J=+-5%, K=+-10%, M=+-20%, P=+100-0%,.....
- (5) Working Voltage: 4A=10KV DC, 4F=30KV DC, 4G=40KV DC,.....
- (6) Internal Code: A, B

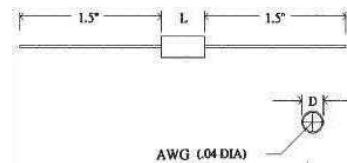
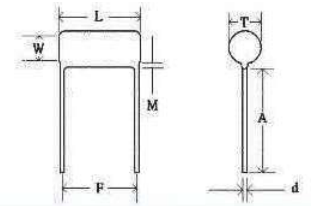
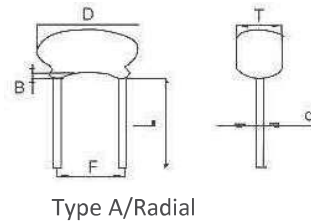
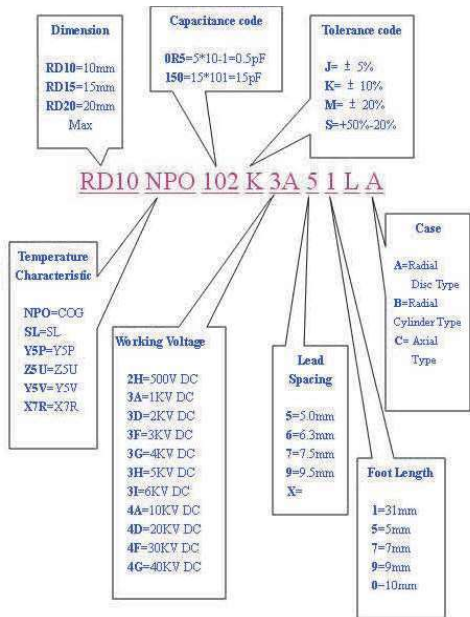


HV Disc Ceramic Capacitors (Radial Disc & Radial Cylinder (RD Series))

- Small Size & High Capacitance
- Dielectrics: NPO (COG); X5R; Y5V; Y5P
- Capacitance Range: up to 0.1 μ F
- Rated Voltage: up to 40kVDC
- Compliant to IEC 384-10
- Custom Sizes, voltages and values available on request



Ordering Code:



NPO									
Dimension D Max	6KV*	8KV	10KV	12KV	15KV	20KV	25KV	30KV	40KV
10.3mm	15**	12	10	8.2	6.2	5.1	3.8	3.2	
13.6mm	22	18	15	12	10	8.2	6.2	5.0	
16.7mm	30	27	22	18	15	12	10	8.2	
18.3mm	39	35	27	25	22	18	15	12	
19.9mm	55	47	39	33	27	22	18	15	
21.5mm	60	55	52	45	39	33	27	22	
23.1mm	80	74	65	52	46	39	33	27	
24.7mm	100	82	75	68	56	47	39	33	
28.5mm	220	150	120	100	82	68	56	47	
34.6mm	270	220	150	120	100	82	68	56	
OD***	Radial Disc Type						Radial Cylinder Type		
N2200									
Dimension D Max	6KV*	8KV	10KV	12KV	15KV	20KV	25KV	30KV	40KV
10.3mm	47**	39	33	27	22	15	10	6	
13.6mm	56	47	33	27	22	18	15	12	
16.7mm	100	82	68	56	47	33	22	15	
18.3mm	120	85	72	60	47	33	25	18	
19.9mm	220	120	100	80	72	50	39	22	
21.5mm	270	200	120	95	72	60	47	33	
23.1mm	330	270	220	150	100	82	68	47	
24.7mm	390	330	220	150	100	82	68	56	
28.5mm	470	390	330	270	220	150	100	82	
34.6mm	560	470	390	330	270	220	150	100	
OD***	Radial Disc Type						Radial Cylinder Type		
Y5P									
Dimension D Max	6KV*	8KV	10KV	12KV	15KV	20KV	25KV	30KV	40KV
10.3mm	360**	330	270	240	220	100	75	68	60
13.6mm	560	470	390	330	275	200	150	100	82
16.7mm	820	750	680	560	470	330	220	110	95
18.3mm	1200	1000	820	680	560	470	330	220	150
19.9mm	1500	1200	1000	820	680	560	470	330	240
21.5mm	1800	1500	1200	1000	750	680	630	520	430
23.1mm	2200	1800	1500	1200	1000	820	750	680	560
24.7mm	3300	2200	1800	1500	1200	910	820	750	680
28.5mm	4700	3300	2200	1800	1500	1200	1000	910	820
34.6mm	6800	4700	3300	2700	2200	1800	1500	1200	1000
OD***	Radial Disc Type						Radial Cylinder Type		
Y5U									
Dimension D Max	6KV*	8KV	10KV	12KV	15KV	20KV	25KV	30KV	40KV
10.3mm	1500**	1200	1000	820	680	560	470	330	270
13.6mm	1800	1500	1000	820	680	560	470	390	330
16.7mm	2200	1800	1500	1200	1000	820	680	560	470
18.3mm	2700	2200	1800	1500	1200	1000	820	680	560
19.9mm	3300	2700	2200	1800	1500	1200	1000	820	680
21.5mm	4700	3900	2700	2200	1800	1500	1200	1000	820
23.1mm	5600	4700	3900	3300	2200	1800	1500	1200	1000
24.7mm	8200	6800	5600	4700	3300	2700	2200	1800	1500
28.5mm	10000	8200	6800	5600	4700	3300	2700	2200	1800
34.6mm	15000	12000	10000	8200	5600	4700	3300	2700	2200
OD***	Radial Disc Type						Radial Cylinder Type		

