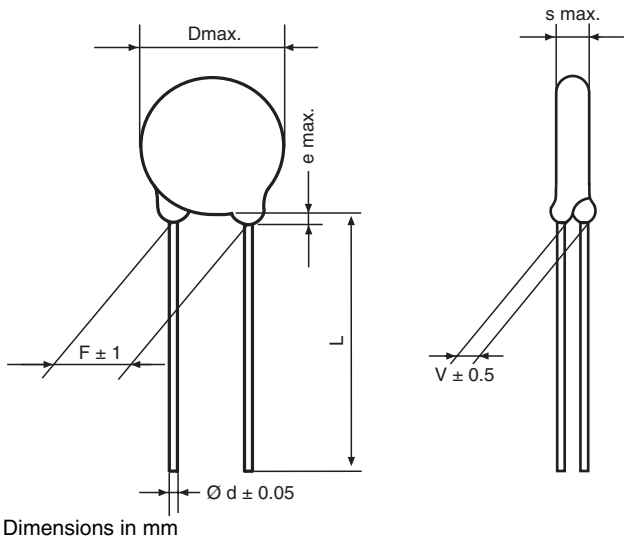
Ceramic High Voltage Disc Capacitors, Class 1



Dimensions in mm

	COATING EXTENSION e	BULK STANDARD LEAD LENGHT L
ALL TYPES	3 max.	30.0 + 0 - 3 or 6.0 ± 1

COATING:

Epoxy dipped, insulating,
Flame retarding acc. to UL 94V-0

TEMPERATURE CHARACTERISTIC OF CAPACITANCE:

See General Information

LEAD CONFIGURATION & TAPING:

See General Information

MARKING:

Capacitance value	Clear text
Capacitance tolerance	With letter code
Rated voltage	Clear text
Ceramic Dielectric	With letter code U
Manufacturers logo	Where D ≥ 13 mm only

DESIGN:

Disc capacitors with epoxy coating

RoHS COMPLIANT

RATED VOLTAGE U_R:

HAU	1 kV_{DC}
HBU	2 kV_{DC}
HCU	3 kV_{DC}
HDU	4 kV_{DC}
HEU	5 kV_{DC}
HFU	6 kV_{DC}

DIELECTRIC STRENGTH BETWEEN LEADS:

Component test

HAU	1750 kV_{DC}, 2 s
HBU	3000 kV_{DC}, 2 s
HCU	5000 kV_{DC}, 2 s
HDU	6000 kV_{DC}, 2 s
HEU	7500 kV_{DC}, 2 s
HFU	9000 kV_{DC}, 2 s

DISSIPATION FACTOR tan δ:

C < 30 pF: $\left(\frac{100}{C} + 7\right) \bullet 10^{-4}$

C ≥ 30 pF: ≤ $10 \bullet 10^{-4}$

INSULATION RESISTANCE R_{IS}:

≥ $1 \bullet 10^{10}\ \Omega$

CATEGORY TEMPERATURE RANGE ϑ_A:

(- 40 to + 85) °C

CLIMATIC CATEGORY ACC. TO EN 60068-1:

40 / 085 / 21

ORDERING INFORMATION

HAU	220	K	BA	CD0	K	R
MODEL	CAPACITANCE VALUE	TOLERANCE	RATED VOLTAGE	LEAD CONFIGURATION	INTERNAL CODE	RoHS COMPLIANT

ORDERING INFORMATION, CERAMIC HIGH VOLTAGE DISC CAPACITORS, 1 KV (DC)							
C (pF)	**TOL. (%)**	**D x s (mm)**	**F ± 1 * (mm)**	**d ± 0.05 * (mm)**	**V ± 0.5 * (mm)**	**CERAMIC CODE**	**ORDERING CODE**
CLASS 1	**N 750**						
10	± 10 %	7.0 x 3.0	7.5	0.6	1.4	U	HAU100□BA□□□KR
15		7.0 x 3.0					HAU150□BA□□□KR
22		7.0 x 3.0					HAU220□BA□□□KR
33		8.0 x 3.0					HAU330□BA□□□KR
47		8.0 x 3.0					HAU470□BA□□□KR
68		8.0 x 3.0					HAU680□BA□□□KR
82		8.0 x 3.0					HAU820□BA□□□KR
100		8.0 x 3.0					HAU101□BA□□□KR
150		10.0 x 3.5					HAU151□BA□□□KR
220		11.0 x 3.5					HAU221□BA□□□KR
330		12.5 x 3.5					HAU331□BA□□□KR
470		14.5 x 3.5					HAU471□BA□□□KR
560		16.5 x 3.5					HAU561□BA□□□KR
680		16.5 x 3.5					HAU681□BA□□□KR

ORDERING INFORMATION, CERAMIC HIGH VOLTAGE DISC CAPACITORS, 2 KV (DC)							
C (pF)	**TOL. (%)**	**D x s (mm)**	**F ± 1 * (mm)**	**d ± 0.05 * (mm)**	**V ± 0.5 * (mm)**	**CERAMIC CODE**	**ORDERING CODE**
CLASS 1	**N 750**						
10	± 10 %	7.0 x 4.0	7.5	0.6	1.2	U	HBU100□BB□□□KR
15		7.0 x 4.0					HBU150□BB□□□KR
22		7.0 x 4.0					HBU220□BB□□□KR
33		7.0 x 4.0			1.3		HBU330□BB□□□KR
47		7.0 x 4.0			1.4		HBU470□BB□□□KR
68		8.0 x 4.0					HBU680□BB□□□KR
82		8.0 x 4.0					HBU820□BB□□□KR
100		10.0 x 4.2					HBU101□BB□□□KR
150		10.0 x 4.2					HBU151□BB□□□KR
220		12.0 x 4.2					HBU221□BB□□□KR
330		15.0 x 4.2					HBU331□BB□□□KR
470		17.0 x 4.2					HBU471□BB□□□KR

ORDERING INFORMATION, CERAMIC HIGH VOLTAGE DISC CAPACITORS, 3 KV (DC)							
C (pF)	**TOL. (%)**	**D x s (mm)**	**F ± 1 * (mm)**	**d ± 0.05 * (mm)**	**V ± 0.5 * (mm)**	**CERAMIC CODE**	**ORDERING CODE**
CLASS 1	**N 750**						
10	± 10 %	7.0 x 4.0	10.0	0.6	1.3	U	HCU100□BC□□□KR
15		7.0 x 4.0					HCU150□BC□□□KR
22		7.0 x 4.0					HCU220□BC□□□KR
33		7.0 x 4.0					HCU330□BC□□□KR
47		8.0 x 4.0			1.4		HCU470□BC□□□KR
68		9.0 x 4.0					HCU680□BC□□□KR
82		10.0 x 4.4		0.8	1.6		HCU820□BC□□□KR
100		10.0 x 4.4					HCU101□BC□□□KR
150		11.0 x 4.4					HCU151□BC□□□KR
220		15.0 x 4.4					HCU221□BC□□□KR
330		17.0 x 4.4					HCU331□BC□□□KR

* Standard lead configuration, other lead spacing and diameter available on request.

ORDERING CODE			
□	7th digit	Capacitance Tolerance	± 10 % = K
□□□	10th to 12th digit	Lead Configuration (See General Information)	
R	14th digit	RoHS Compliant Component	

ORDERING INFORMATION, CERAMIC HIGH VOLTAGE DISC CAPACITORS, 4 KV (DC)							
C (pF)	TOL. (%)	D x s (mm)	F ± 1 * (mm)	d ± 0.05 * (mm)	V ± 0.5 * (mm)	CERAMIC CODE	ORDERING CODE
CLASS 1	**N 750**						
10	± 10 %	7.0 x 4.3	10.0	0.6	1.4	U	HDU100□BD□□□KR
15		7.0 x 4.3					HDU150□BD□□□KR
22		7.0 x 4.3					HDU220□BD□□□KR
33		7.0 x 4.3			1.9		HDU330□BD□□□KR
47		9.5 x 4.3					HDU470□BD□□□KR
68		9.5 x 4.7		0.8			HDU680□BD□□□KR
82		11.0 x 4.7					HDU820□BD□□□KR
100		11.0 x 4.7					HDU101□BD□□□KR
150		13.0 x 4.7					HDU151□BD□□□KR
220		15.0 x 4.7					HDU221□BD□□□KR
330		17.0 x 4.7					HDU331□BD□□□KR
470		20.0 x 4.7					HDU471□BD□□□KR

ORDERING INFORMATION, CERAMIC HIGH VOLTAGE DISC CAPACITORS, 5 KV (DC)							
C (pF)	TOL. (%)	D x s (mm)	F ± 1 * (mm)	d ± 0.05 * (mm)	V ± 0.5 * (mm)	CERAMIC CODE	ORDERING CODE
CLASS 1	**N 750**						
22	± 10 %	7.0 x 4.8	12.5	0.6	2.2	U	HEU220□BE□□□KR
33		9.3 x 4.8					HEU330□BE□□□KR
47		9.3 x 4.8					HEU470□BE□□□KR
68		11.8 x 5.2		0.8	2.4		HEU680□BE□□□KR
82		11.8 x 5.2					HEU820□BE□□□KR
100		11.8 x 5.2					HEU101□BE□□□KR
150		14.4 x 5.2					HEU151□BE□□□KR
220		16.3 x 5.2					HEU221□BE□□□KR
330		19.5 x 5.2					HEU331□BE□□□KR

ORDERING INFORMATION, CERAMIC HIGH VOLTAGE DISC CAPACITORS, 6 KV (DC)							
C (pF)	TOL. (%)	D x s (mm)	F ± 1 * (mm)	d ± 0.05 * (mm)	V ± 0.5 * (mm)	CERAMIC CODE	ORDERING CODE
CLASS 1	**N 750**						
10	± 10 %	7.0 x 4.8	12.5	0.6	2.2	U	HFU100□BF□□□KR
15		7.0 x 4.8					HFU150□BF□□□KR
22		7.0 x 4.8					HFU220□BF□□□KR
33		9.5 x 4.8					HFU330□BF□□□KR
47		9.5 x 4.8					HFU470□BF□□□KR
68		12.0 x 5.2		0.8	2.4		HFU680□BF□□□KR
82		12.0 x 5.2					HFU820□BF□□□KR
100		12.0 x 5.2					HFU101□BF□□□KR
150		15.0 x 5.2					HFU151□BF□□□KR
220		17.0 x 5.2					HFU221□BF□□□KR
330		20.0 x 5.2					HFU331□BF□□□KR

* Standard lead configuration, other lead spacing and diameter available on request.

ORDERING CODE			
□	7th digit	Capacitance Tolerance	± 10 % = K
□□□	10th to 12th digit	Lead Configuration (See General Information)	
R	14th digit	RoHS Compliant Component	

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