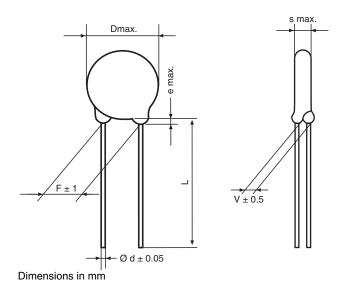


Ceramic High Voltage Disc Capacitors, Class 1



	COATING	BULK STANDARD
	EXTENSION e	LEAD LENGHT L
		30.0 + 0 - 3
ALL TYPES	3 max.	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 $D \ge 13$ mm only

DESIGN:

Disc capacitors with epoxy coating



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:
$$\left(\frac{100}{C} + 7\right) \cdot 10^{-4}$$

C \geq 30 pF: \leq 10 \cdot 10⁻⁴

INSULATION RESISTANCE RIS:

 \geq 1 • 10¹⁰ Ω

CATEGORY TEMPERATURE RANGE 9_A :

(- 40 to +85) °C

CLIMATIC CATEGORY ACC. TO EN 60068-1:

40 / 085 / 21

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

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Ceramic Disc Capacitors, Class 2



ORDERIN	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		7.0 x 3.0					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	± 10 %	8.0 x 3.0	7.5	0.6	1.4	U	HAU820□BA□□□KR
100	1 10 /0	8.0 x 3.0	7.5	0.0	1.4		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

ORDERIN	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		7.0 x 4.0					HBU100□BB□□□KR	
15		7.0 x 4.0			1.2		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					HBU470□BB□□□KR	
68	± 10 %	8.0 x 4.0	7.5	0.6		U	HBU680□BB□□□KR	
82	110 /0	8.0 x 4.0	7.5	0.0			HBU820□BB□□□KR	
100		10.0 x 4.2			1.4		HBU101□BB□□□KR	
150		10.0 x 4.2			1.4		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	

ORDERII	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		7.0 x 4.0					HCU100□BC□□□KR	
15		7.0 x 4.0			1.3		HCU150□BC□□□KR	
22		7.0 x 4.0		0.6	1.5		HCU220□BC□□□KR	
33		7.0 x 4.0		0.0			HCU330□BC□□□KR	
47		8.0 x 4.0			1.4		HCU470□BC□□□KR	
68	± 10 %	9.0 x 4.0	10.0		1.4	U	HCU680□BC□□□KR	
82		10.0 x 4.4					HCU820□BC□□□KR	
100		10.0 x 4.4					HCU101□BC□□□KR	
150		11.0 x 4.4		0.8	1.6		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.

ORDEF	RING 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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Ceramic Disc Capacitors, Class 2

ORDERII	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		7.0 x 4.3					HDU100□BD□□□KR	
15		7.0 x 4.3			1.4		HDU150□BD□□□KR	
22		7.0 x 4.3		0.6			HDU220□BD□□□KR	
33		7.0 x 4.3					HDU330□BD□□□KR	
47		9.5 x 4.3					HDU470□BD□□□KR	
68	± 10 %	9.5 x 4.7	10.0			U	HDU680□BD□□□KR	
82	± 10 /6	11.0 x 4.7	10.0				HDU820□BD□□□KR	
100		11.0 x 4.7			1.9		HDU101□BD□□□KR	
150		13.0 x 4.7		0.8			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		7.0 x 4.8					HEU220□BE□□□KR
33		9.3 x 4.8		0.6	2.2		HEU330□BE□□□KR
47		9.3 x 4.8					HEU470□BE□□□KR
68		11.8 x 5.2					HEU680□BE□□□KR
82	± 10 %	11.8 x 5.2	12.5			U	HEU820□BE□□□KR
100		11.8 x 5.2		0.8	2.4		HEU101□BE□□□KR
150		14.4 x 5.2		0.6	۷.4		HEU151□BE□□□KR
220		16.3 x 5.2					HEU221□BE□□□KR
330		19.5 x 5.2					HEU331□BE□□□KR

ORDERII	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		7.0 x 4.8					HFU100□BF□□□KR	
15		7.0 x 4.8					HFU150□BF□□□KR	
22		7.0 x 4.8		0.6	2.2		HFU220□BF□□□KR	
33		9.5 x 4.8					HFU330□BF□□□KR	
47		9.5 x 4.8					HFU470□BF□□□KR	
68	± 10 %	12.0 x 5.2	12.5			U	HFU680□BF□□□KR	
82		12.0 x 5.2					HFU820□BF□□□KR	
100		12.0 x 5.2		0.8	2.4		HFU101□BF□□□KR	
150		15.0 x 5.2		0.0	2.4		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.

ORDE	RING 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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