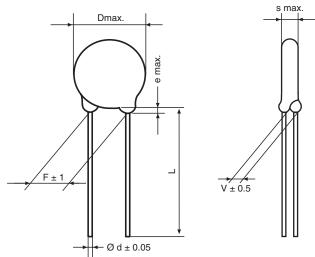


Rohs

COMPLIANT

Ceramic High Voltage Disc Capacitors, Class 1



Dimensions in mm

	COATING EXTENSION e	BULK STANDARD 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 $D \ge 13 \text{ mm}$ 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 :

 $\begin{array}{l} C < 30 \ p\text{F}: \left(\frac{100}{C} + 7\right) \ \bullet \ 10^{-4} \\ C \geq 30 \ p\text{F}: \leq 10 \ \bullet \ 10^{-4} \end{array}$

INSULATION RESISTANCE RIS:

 $\geq \ \textbf{1} \bullet \textbf{10}^{10}\,\Omega$

CATEGORY TEMPERATURE RANGE ϑ_A :

(- 40 to + 85) °C

CLIMATIC CATEGORY ACC. TO EN 60068-1:

40 / 085 / 21

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

Vishay Draloric

Ceramic Disc Capacitors, Class 2



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	7.5	0.6	1.4	U	HAU470 BA KR	
68		8.0 x 3.0					HAU680 BA KR	
82	± 10 %	8.0 x 3.0					HAU820 BA KR	
100	± 10 %	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	
330	7	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	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				U	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			HBU680 BB KR			
82	10 /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			

ORDERI	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	1.4	U	HCU220 BC KR		
33		7.0 x 4.0					HCU330 BC KR		
47		8.0 x 4.0					HCU470 BC KR		
68	± 10 %	9.0 x 4.0	10.0				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.

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



ORDERIN	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		U	HDU220 BD KR		
33		7.0 x 4.3					HDU330 BD KR		
47		9.5 x 4.3					HDU470_BDKR		
68	± 10 %	9.5 x 4.7	10.0				HDU680 BD KR		
82	± 10 %	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		

ORDERI	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				U	HEU470 BE KR		
68		11.8 x 5.2					HEU680 BE KR		
82	± 10 %	11.8 x 5.2	12.5				HEU820 BE KR		
100		11.8 x 5.2		0.8	2.4		HEU101 BE KR		
150		14.4 x 5.2		0.0	2.4		HEU151 BE KR		
220		16.3 x 5.2					HEU221 BE KR		
330		19.5 x 5.2					HEU331 BE KR		

ORDERI	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_BFKR		
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				U	HFU330 BF KR		
47		9.5 x 4.8					HFU470_BFKR		
68	± 10 %	12.0 x 5.2	12.5				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		
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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