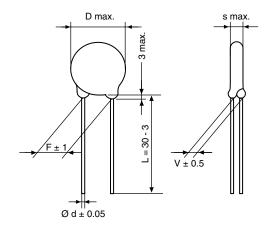




Ceramic Pulse Disc Capacitors, Class 2



Dimensions in mm

TEMPERATURE CHARACTERISTIC OF CAPACITANCE

See curve (next page)

CATEGORY TEMPERATURE RANGE (9A)

- 40 °C to + 125 °C

CLIMATIC CATEGORY TO EN60068-1

4/125/21

COATING

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

TAPING AND SPECIAL LEAD CONFIGURATIONS

On request

FEATURES

• Compliant to RoHS directive 2002/95/EC



DESIGN

Disc capacitor with epoxy coating

RATED VOLTAGE (UR)

HAK	1 kV _{DC}
HBK	2 kV_{DC}
HCK	3 kV_{DC}
HIK	15 kV _{DC}

DIELECTRIC STRENGTH BETWEEN LEADS

Component test

DISSIPATION FACTOR (tan \delta)

 $\leq 5 \times 10^{-3}$

INSULATION RESISTANCE (IR)

 $\begin{array}{ll} \mbox{HAK, HBK, HCK} & \geq 10 \ x \ 10^9 \, \Omega \\ \mbox{HIK} & \geq 10 \ x \ 10^{10} \, \Omega \end{array}$

MARKING

Capacitance value - Clear text
 Capacitance tolerance - With letter code
 Rated voltage - Clear text

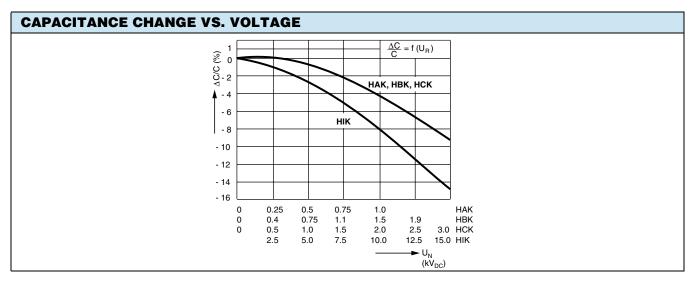
 $\begin{tabular}{ll} \bullet & Manufacturers logo & - Where D \ge 11 mm only \\ \bullet & Type designation & - HAK, HBK, HCK only \\ \end{tabular}$

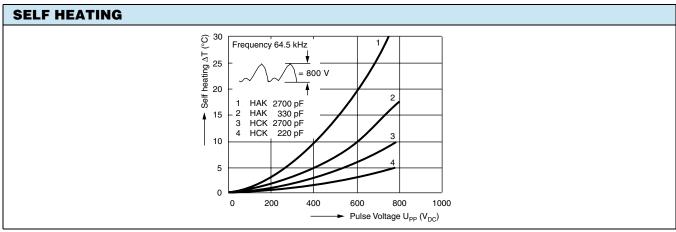
HAK..., HBK..., HCK..., HIK...

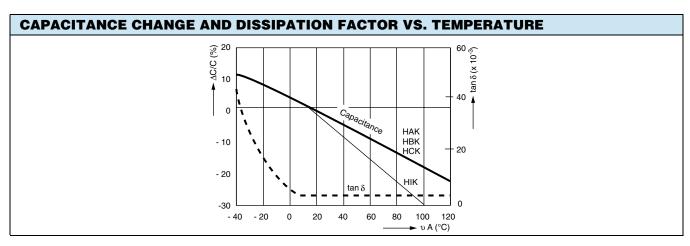
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Ceramic Pulse Disc Capacitors, Class 2









ORDERING INFORMATION									
HIK	<u>471</u>	M	<u>BJ</u>	EF0	K	R			
MODEL	CAPACITANCE VALUE	TOLERANCE	RATED VOLTAGE	LEAD CONFIGURATION	INTERNAL CODE	RoHS COMPLIANT			



Ceramic Pulse Disc Capacitors, Class 2

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ORDERI	ORDERING INFORMATION, CERAMIC PULSE DISC CAPACITORS, 1 kV _{DC}							
C (pF)	TOL. (%)	D x s (mm)	F ± 1 ⁽¹⁾ (mm)	d ± 0.05 ⁽¹⁾ (mm)	V ± 0.5 ⁽¹⁾ (mm)	CERAMIC CODE	ORDERING CODE	
CLASS 2	K 1500							
100		7.0 x 5.0					HAK101□BA□□□KR	
150		7.0 x 5.0					HAK151□BA□□□KR	
220		7.0 x 5.0					HAK221□BA□□□KR	
270		7.0 x 5.0					HAK271□BA□□□KR	
330		7.0 x 5.0					HAK331□BA□□□KR	
390		7.0 x 5.0					HAK391□BA□□□KR	
470		7.0 x 5.0					HAK471□BA□□□KR	
560		8.0 x 5.0					HAK561□BA□□□KR	
680	± 20 %	8.0 x 5.0					HAK681□BA□□□KR	
820		9.0 x 5.0	7.5	0.6	1.1		HAK821□BA□□□KR	
1000	(± 10 %) ⁽²⁾	9.0 x 5.0					HAK102□BA□□□KR	
1200		10.0 x 5.0					HAK122□BA□□□KR	
1500		11.0 x 5.0					HAK152□BA□□□KR	
1800		12.0 x 5.0					HAK182□BA□□□KR	
2200		12.0 x 5.0					HAK222□BA□□□KR	
2700		14.5 x 5.0					HAK272□BA□□□KR	
3300		14.5 x 5.0					HAK332□BA□□□KR	
3900		15.5 x 5.0					HAK392□BA□□□KR	
4700		16.5 x 5.0					HAK472□BA□□□KR	

ORDER	ORDERING INFORMATION, CERAMIC PULSE DISC CAPACITORS, 2 kV _{DC}							
C (pF)	TOL. (%)	D x s (mm)	F ± 1 ⁽¹⁾ (mm)	d ± 0.05 ⁽¹⁾ (mm)	V ± 0.5 ⁽¹⁾ (mm)	CERAMIC CODE	ORDERING CODE	
CLASS 2	K 1500							
100		7.0 x 5.0					HBK101□BF□□□KR	
150		7.0 x 5.0					HBK151□BF□□□KR	
220		7.0 x 5.0					HBK221□BF□□□KR	
270		7.0 x 5.0					HBK271□BF□□□KR	
330		7.0 x 5.0					HBK331□BF□□□KR	
390		8.0 x 5.0					HBK391□BF□□□KR	
470		8.0 x 5.0					HBK471□BF□□□KR	
560		9.0 x 5.0					HBK561□BF□□□KR	
680	± 20 %	9.0 x 5.0					HBK681□BF□□□KR	
820		10.0 x 5.0	7.5	0.6	1.6		HBK821□BF□□□KR	
1000	(± 10 %) ⁽²⁾	11.0 x 5.0					HBK102□BF□□□KR	
1200		11.0 x 5.0					HBK122□BF□□□KR	
1500		12.5 x 5.0					HBK152□BF□□□KR	
1800		14.5 x 5.0					HBK182□BF□□□KR	
2200		14.5 x 5.0					HBK222□BF□□□KR	
2700		16.5 x 5.0					HBK272□BF□□□KR	
3300		17.5 x 5.0					HBK332□BF□□□KR	
3900		19.5 x 5.0					HBK392□BF□□□KR	
4700		25.0 x 5.0					HBK472□BF□□□KR	

Notes
(1) Standard lead configuration, other lead spacing and diameter available on request.
(2) ± 10 % available on request.

ORDERING CODE						
	7th digit	Capacitance tolerance	± 10 % = K ± 20 % = M			
	10th to 12th digit	Lead configuration (See General Information)				
R	14th digit	RoHS Compliant Component				

HAK..., HBK..., HCK..., HIK...

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Ceramic Pulse Disc Capacitors, Class 2



ORDERI	ORDERING INFORMATION, CERAMIC PULSE DISC CAPACITORS, 3 kV _{DC}							
C (pF)	TOL. (%)	D x s (mm)	F ± 1 ⁽¹⁾ (mm)	d ± 0.05 ⁽¹⁾ (mm)	V ± 0.5 ⁽¹⁾ (mm)	CERAMIC CODE	ORDERING CODE	
CLASS 2	K 1500							
100		7.0 x 5.0					HCK101□BC□□□KR	
150		7.0 x 5.0					HCK151□BC□□□KR	
220		7.0 x 5.0					HCK221□BC□□□KR	
270		7.0 x 5.0					HCK271□BC□□□KR	
330		8.0 x 5.0					HCK331□BC□□□KR	
390		9.0 x 5.0					HCK391□BC□□□KR	
470		9.0 x 5.0					HCK471□BC□□□KR	
560	± 20 %	10.0 x 5.0					HCK561□BC□□□KR	
680		10.0 x 5.0	10.0	0.6	1.1		HCK681□BC□□□KR	
820	(± 10 %) ⁽²⁾	11.0 x 5.0					HCK821□BC□□□KR	
1000		12.0 x 5.0					HCK102□BC□□□KR	
1200		13.0 x 5.0					HCK122□BC□□□KR	
1500		15.0 x 5.0					HCK152□BC□□□KR	
1800		16.0 x 5.0					HCK182□BC□□□KR	
2200		17.0 x 5.0					HCK222□BC□□□KR	
2700		18.0 x 5.0					HCK272□BC□□□KR	
3300	7	20.0 x 5.0					HCK332□BC□□□KR	

ORDERI	ORDERING INFORMATION, CERAMIC PULSE DISC CAPACITORS, 15 kV _{DC}						
C (pF)	TOL. (%)	D x s (mm)	F ± 1 ⁽¹⁾ (mm)	d ± 0.05 ⁽¹⁾ (mm)	V ± 0.5 ⁽¹⁾ (mm)	CERAMIC CODE	ORDERING CODE
CLASS 2	K 1500						
100		8.0 x 8.0					HIK101□BJ□□□KR
120		9.0 x 8.0			5.0		HIK121□BJ□□□KR
150		9.0 x 8.0					HIK151□BJ□□□KR
180		10.0 x 8.0			5.2		HIK181□BJ□□□KR
220		10.0 x 8.0					HIK221□BJ□□□KR
270		11.0 x 8.0					HIK271□BJ□□□KR
330	± 20 %	11.5 x 8.0					HIK331□BJ□□□KR
390		13.0 x 8.4	12.5	0.6			HIK391□BJ□□□KR
470	(± 10 %) ⁽²⁾	15.0 x 8.4					HIK471□BJ□□□KR
560		15.0 x 8.4			5.4		HIK561□BJ□□□KR
680		16.0 x 8.4					HIK681□BJ□□□KR
820		18.5 x 8.4			5.6		HIK821□BJ□□□KR
1000		20.0 x 8.4			5.6		HIK102□BJ□□□KR
1200		24.0 x 9.0			5.0		HIK122□BJ□□□KR
1500		24.0 x 9.0			5.8		HIK152□BJ□□□KR

 $^{(1)}$ Standard lead configuration, other lead spacing and diameter available on request. $^{(2)}$ \pm 10 % available on request.

ORDERING CODE					
	7th digit	Capacitance tolerance	± 10 % = K ± 20 % = M		
	10th to 12th digit	Lead configuration (see General Information)			
R	14th digit	RoHS compliant component			

Document Number: 22164 Revision: 07-May-09



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