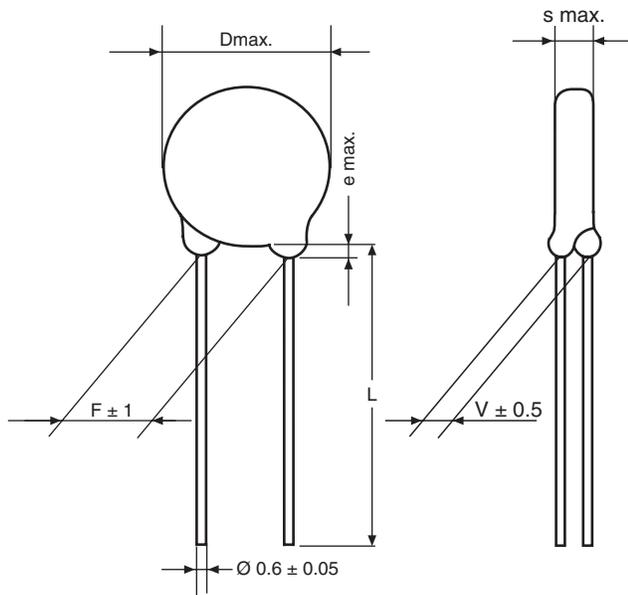


## Ceramic Disc Capacitors, Class 2



Dimensions in mm

	COATING EXTENSION e	BULK STANDARD LEAD LENGTH L
All types	3 max.	30.0 + 0 - 3 or 6.0 + 0 - 1

### INSULATION RESISTANCE $R_{IS}$ :

$$\geq 5 \cdot 10^9 \Omega$$

### MARKING:

Capacitance value	Clear text
Capacitance tolerance	with letter code
Ceramic dielectric	with letter code
	HSZ series: 'D'
	HSE series: 'E'

### FEATURES:

- Terminations are lead (Pb)-free
- Product is RoHS compliant



### DESIGN:

Disc capacitors with epoxy coating

### RATED VOLTAGE $U_R$ :

$$500 V_{DC}$$

### DIELECTRIC STRENGTH BETWEEN LEADS:

Component test

$$1250 V_{DC}, 2s$$

### DISSIPATION FACTOR $\tan \delta$ :

$$\leq 30 \cdot 10^{-3}$$

### CATEGORY TEMPERATURE RANGE $\vartheta_A$ :

$$(-40 \text{ to } +85) ^\circ C$$

### CLIMATIC CATEGORY ACC. TO EN 60068-1:

40 / 085 / 21

### COATING:

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

### TEMPERATURE CHARACTERISTIC OF CAPACITANCE:

See diagrams in General Information

### TAPING AND SPECIAL LEAD CONFIGURATIONS:

On request

### ORDERING INFORMATION

HSE	471	K	AQ	BF0	K	R
MODEL	CAPACITANCE VALUE	TOLERANCE	RATED VOLTAGE	LEAD CONFIGURATION	INTERNAL CODE	RoHS COMPLIANT



ORDERING INFORMATION, CERAMIC DISC CAPACITORS, 500 V (DC)								
C (pF)	TOL. (%)	D x s (mm)	F ± 1* (mm)	d ± 0.05* (mm)	V ± 0.5* (mm)	CERAMIC CODE	ORDERING CODE	
<b>CLASS 2 K 2000</b>								
10	± 20 % ± 10 %	6.0 x 3.0	5	0.6	Z		HSZ100□AQ□□KR	
12		6.0 x 3.0					HSZ120□AQ□□KR	
15		6.0 x 3.0					HSZ150□AQ□□KR	
18		6.0 x 3.0					HSZ180□AQ□□KR	
22		6.0 x 3.0					HSZ220□AQ□□KR	
27		6.0 x 3.0					HSZ270□AQ□□KR	
33		6.0 x 3.0					HSZ330□AQ□□KR	
39		6.0 x 3.0					HSZ390□AQ□□KR	
47		6.0 x 3.0					HSZ470□AQ□□KR	
56		6.0 x 3.0					HSZ560□AQ□□KR	
68		6.0 x 3.0					HSZ680□AQ□□KR	
82		6.0 x 3.0					HSZ820□AQ□□KR	
100		6.0 x 3.0					HSZ101□AQ□□KR	
120		6.0 x 3.0					HSZ121□AQ□□KR	
150		6.0 x 3.0					HSZ151□AQ□□KR	
180		6.0 x 3.0					HSZ181□AQ□□KR	
220		6.0 x 3.0					HSZ221□AQ□□KR	
270		6.0 x 3.0					HSZ271□AQ□□KR	
330		6.0 x 3.0					HSZ331□AQ□□KR	
390		6.0 x 3.0					HSZ391□AQ□□KR	
470		6.0 x 3.0					HSZ471□AQ□□KR	
560		7.0 x 3.0					HSZ561□AQ□□KR	
680		7.0 x 3.0					HSZ681□AQ□□KR	
820		7.0 x 3.0					HSZ821□AQ□□KR	
1000		7.0 x 3.0					HSZ102□AQ□□KR	
1200		8.0 x 3.0					HSZ122□AQ□□KR	
1500		8.0 x 3.0					HSZ152□AQ□□KR	
1800		8.0 x 3.0	HSZ182□AQ□□KR					
2200		9.0 x 3.0	HSZ222□AQ□□KR					
2700		11.0 x 3.0	HSZ272□AQ□□KR					
3300		11.0 x 3.0	HSZ332□AQ□□KR					
3900		13.0 x 3.0	HSZ392□AQ□□KR					
4700		13.0 x 3.0	HSZ472□AQ□□KR					
<b>CLASS 2 K 4000</b>								
470	+ 50 - 20 % (± 20 %)**	6.0 x 3.0	5	0.6	E		HSE471□AQ□□KR	
680		6.0 x 3.0					HSE681□AQ□□KR	
1000		6.0 x 3.0					HSE102□AQ□□KR	
1500		7.0 x 3.0					HSE152□AQ□□KR	
2200		7.0 x 3.0					HSE222□AQ□□KR	
3300		11.0 x 3.0	HSE332□AQ□□KR					
4700		11.0 x 3.0	HSE472□AQ□□KR					
6800		13.0 x 3.0	HSE682□AQ□□KR					
8200		15.0 x 4.0	HSE822□AQ□□KR					
0.01 μF		15.0 x 4.0	HSE103□AQ□□KR					
<b>ORDERING CODE</b>								
□	7th digit	Capacitance tolerance						± 10 % = K ± 20 % = M + 50 - 20 % = S
□□□	10th to 12th digit	Lead configuration (See General Information)						
R	14th digit	RoHS Compliant Component						

\* Standard lead configuration, other lead spacing and diameter available on request.  
 \*\* ± 20 % available on request.



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