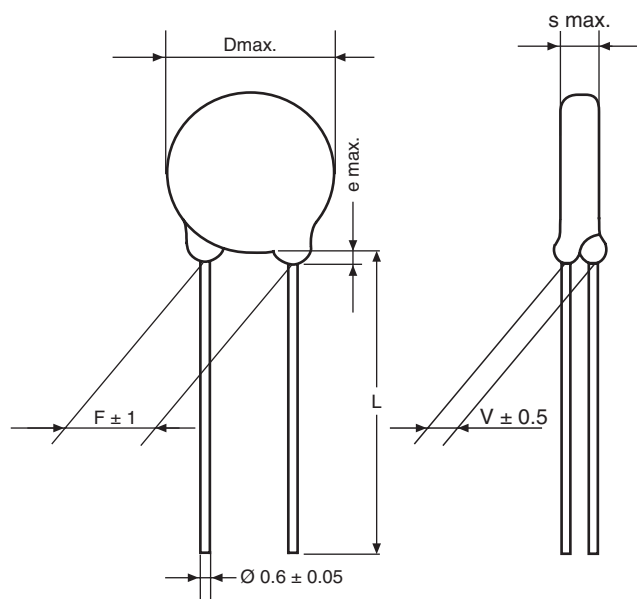


## Ceramic Disc Capacitors, Class 2



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



**RoHS**  
COMPLIANT

### DESIGN:

Disc capacitors with epoxy coating

### RATED VOLTAGE $U_R$ :

500 V<sub>DC</sub>

### DIELECTRIC STRENGTH BETWEEN LEADS:

Component test

1250 V<sub>DC</sub>, 2s

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

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

### CATEGORY TEMPERATURE RANGE $\vartheta_A$ :

(- 40 to + 85) °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
CLASS 2 K 2000							
10	± 20 % ± 10 %	6.0 x 3.0	5	0.6	1.6	Z	HSZ100□AQ□□KR
12		6.0 x 3.0			1.6		HSZ120□AQ□□KR
15		6.0 x 3.0			1.5		HSZ150□AQ□□KR
18		6.0 x 3.0			1.3		HSZ180□AQ□□KR
22		6.0 x 3.0			1.1		HSZ220□AQ□□KR
27		6.0 x 3.0			1.3		HSZ270□AQ□□KR
33		6.0 x 3.0			1.4		HSZ330□AQ□□KR
39		6.0 x 3.0			1.4		HSZ390□AQ□□KR
47		6.0 x 3.0			1.2		HSZ470□AQ□□KR
56		6.0 x 3.0			1.2		HSZ560□AQ□□KR
68		6.0 x 3.0			1.4		HSZ680□AQ□□KR
82		6.0 x 3.0			1.4		HSZ820□AQ□□KR
100		6.0 x 3.0			1.4		HSZ101□AQ□□KR
120		6.0 x 3.0			1.1		HSZ121□AQ□□KR
150		6.0 x 3.0			1.1		HSZ151□AQ□□KR
180		6.0 x 3.0			1.6		HSZ181□AQ□□KR
220		6.0 x 3.0			1.6		HSZ221□AQ□□KR
270		6.0 x 3.0			1.3		HSZ271□AQ□□KR
330		6.0 x 3.0			1.3		HSZ331□AQ□□KR
390		6.0 x 3.0			1.2		HSZ391□AQ□□KR
470		6.0 x 3.0			1.2		HSZ471□AQ□□KR
560		7.0 x 3.0			1.2		HSZ561□AQ□□KR
680		7.0 x 3.0			1.2		HSZ681□AQ□□KR
820		7.0 x 3.0			1.1		HSZ821□AQ□□KR
1000		7.0 x 3.0			1.1		HSZ102□AQ□□KR
1200		8.0 x 3.0			1.2		HSZ122□AQ□□KR
1500		8.0 x 3.0			1.1		HSZ152□AQ□□KR
1800		8.0 x 3.0			1.2		HSZ182□AQ□□KR
2200		9.0 x 3.0	7.5		1.2		HSZ222□AQ□□KR
2700		11.0 x 3.0			1.2		HSZ272□AQ□□KR
3300		11.0 x 3.0			1.2		HSZ332□AQ□□KR
3900		13.0 x 3.0			1.1		HSZ392□AQ□□KR
4700		13.0 x 3.0			1.1		HSZ472□AQ□□KR
CLASS 2 K 4000							
470	+ 50 - 20 % (± 20 %) **	6.0 x 3.0	5	0.6	1.2	E	HSE471□AQ□□KR
680		6.0 x 3.0			1.2		HSE681□AQ□□KR
1000		6.0 x 3.0			1.4		HSE102□AQ□□KR
1500		7.0 x 3.0			1.2		HSE152□AQ□□KR
2200		7.0 x 3.0			1.2		HSE222□AQ□□KR
3300		11.0 x 3.0	7.5		1.1		HSE332□AQ□□KR
4700		11.0 x 3.0			1.1		HSE472□AQ□□KR
6800		13.0 x 3.0			1.1		HSE682□AQ□□KR
8200		15.0 x 4.0			1.2		HSE822□AQ□□KR
0.01 μF		15.0 x 4.0			1.2		HSE103□AQ□□KR

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

\*\* ± 20 % available on request.

**ORDERING CODE**

□	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	



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