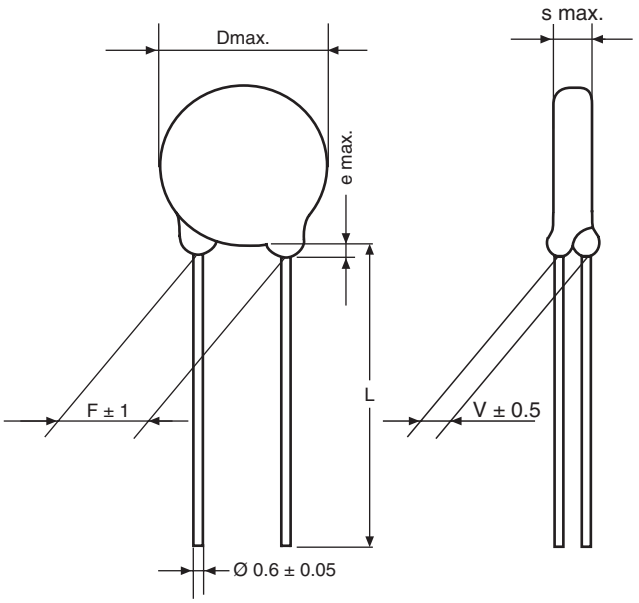
Ceramic Disc Capacitors, Class 2



Dimensions in mm

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

INSULATION RESISTANCE R_{IS}:

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

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_{DC}

DIELECTRIC STRENGTH BETWEEN LEADS:

Component test

1250 V_{DC}, 2s

DISSIPATION FACTOR tan δ:

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

CATEGORY TEMPERATURE RANGE ϑ_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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