

Ceramic Pulse Disc Capacitors, Class 2

DESIGN:

Disc capacitor with epoxy coating

RATED VOLTAGE U_R :

2kV_{DC}

DIELECTRIC STRENGTH BETWEEN LEADS:

Component test

3400V_{DC} 2s

DIELECTRIC STRENGTH OF BODY INSULATION:

2000V_{AC} 50Hz, 2s

SELF-HEATING (TYPICAL VALUES):

at 16 kHz, 1000V_{pp}, 166V/ μ s

≤ 470 pF: max. 30°C

≤ 1000 pF: max. 40°C

> 1000 pF: max. 45°C

DISSIPATION FACTOR $\tan \delta$:

$\leq 20 \cdot 10^{-3}$

INSULATION RESISTANCE R_{is} :

$\geq 1 \cdot 10^{10}\Omega$

MARKING:

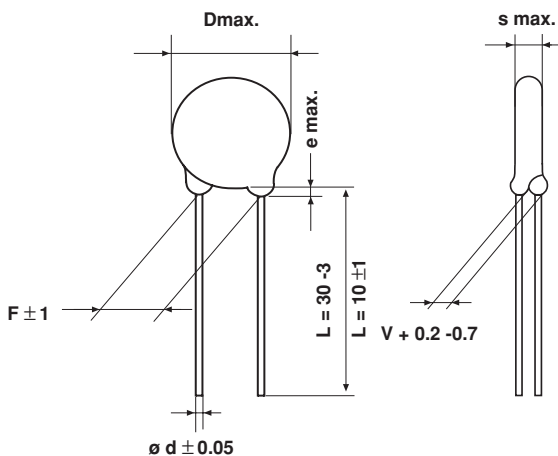
Type designation	- 1st three digits
Capacitance value	- Clear text
Capacitance tolerance	- With letter code
Rated voltage	- Clear text, IP (for pulse)
Manufacturers logo	- Where $D \geq 13$ mm only

TEMPERATURE CHARACTERISTICS OF CAPACITANCE:

See curves on next page.

CATEGORY TEMPERATURE RANGE ϑ_A :

(- 40 to + 85°C)



• Dimensions in mm

CLIMATIC CATEGORY ACC. TO EN 60068-1:

40 / 085 / 21

COATING:

Epoxy dipped, insulating,

Flame retarding acc. to UL 94V-0

TAPING AND SPECIAL LEAD CONFIGURATIONS:

On request

TYPICAL APPLICATION:

These ceramic pulse capacitors are used to trim the flyback capacitor in television sets.

Various line terminations can be adapted in this way or various picture tubes can be used without the need to change the flyback capacitor. Apart from this application, i.e. in the line end stage and in the power supply, there are similar applications in monitor development.

ORDERING INFORMATION

IBC	152	M	BB	CD0	K
MODEL	CAPACITANCE VALUE	TOLERANCE	RATED VOLTAGE	LEAD CONFIGURATION	INTERNAL CODE



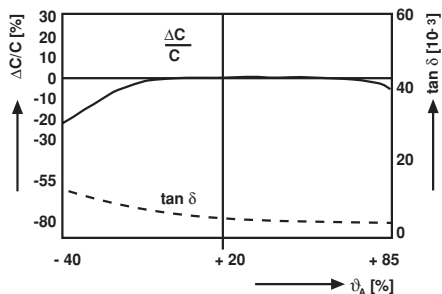
CERAMIC DIELECTRIC: K 2000
CERAMIC CODE: Z
CAPACITANCE TOLERANCE: $\pm 20\%$ ($\pm 10\%$ available on request)

RATED VOLTAGE = $2kV_{DC}$

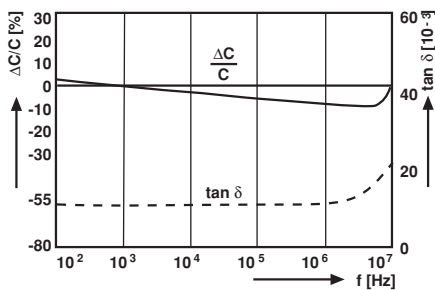
CAP. VALUE (pF)	D x s (MAX) (mm)	F ± 1* (mm)	d ± 0.05* (mm)	V ± 0.05* (mm)	e max. (mm)	ORDERING CODE
100	7.0 x 5.0	7.5	0.6	2.1	3	IBC101MBB□□□K
120	7.0 x 5.0					IBC121MBB□□□K
150	7.0 x 5.0					IBC151MBB□□□K
180	7.0 x 6.0					IBC181MBB□□□K
220	9.0 x 5.0					IBC221MBB□□□K
270	9.0 x 5.5			2.6		IBC271MBB□□□K
330	9.0 x 5.5					IBC331MBB□□□K
390	13.0 x 6.0					IBC391MBB□□□K
470	13.0 x 6.0					IBC471MBB□□□K
560	17.0 x 6.0		0.8	3.4		5
680	17.0 x 6.0				IBC681MBB□□□K	
820	17.0 x 6.0				IBC821MBB□□□K	
1000	17.0 x 6.0				IBC102MBB□□□K	
1200	19.0 x 6.0				IBC122MBB□□□K	
1500	19.0 x 6.0				IBC152MBB□□□K	

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

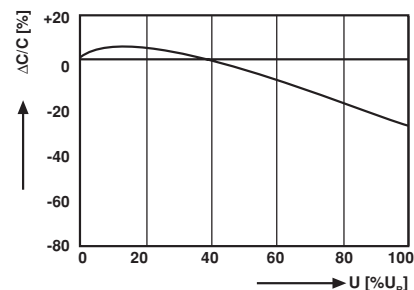
CAPACITANCE CHANGE & DISSIPATION FACTOR VS. TEMPERATURE



CAPACITANCE CHANGE & DISSIPATION FACTOR VS. FREQUENCY



CAPACITANCE CHANGE VS. VOLTAGE



ORDERING CODE

Ordering code

□□□ 10th / 11th / 12th digit

Lead configuration (See General Information)



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All product specifications and data are subject to change without notice.

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