

Ceramic Pulse Disc Capacitors, Class 2

DESIGN:

Disc capacitor with epoxy coating

RATED VOLTAGE U_R :

2kV_{DC}

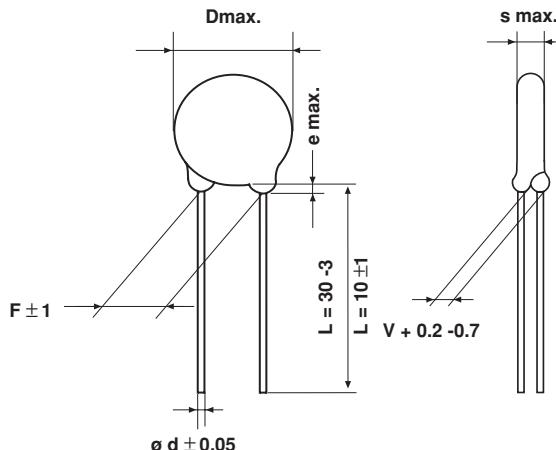
DIELECTRIC STRENGTH BETWEEN LEADS:

Component test

3400V_{DC} 2s

DIELECTRIC STRENGTH OF BODY INSULATION:

2000V_{AC} 50Hz, 2s



SELF-HEATING (TYPICAL VALUES):

at 16 kHz, 1000V_{pp}, 166V/μs

≤ 470pF: max. 30°C

≤ 1000pF: max. 40°C

> 1000pF: max. 45°C

• Dimensions in mm

DISSIPATION FACTOR $\tan \delta$:

≤ 20 • 10⁻³

INSULATION RESISTANCE R_{IS} :

≥ 1 • 10¹⁰Ω

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 ≥ 13mm only

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.

TEMPERATURE CHARACTERISTICS OF CAPACITANCE:

See curves on next page.

CATEGORY TEMPERATURE RANGE ϑ_A :

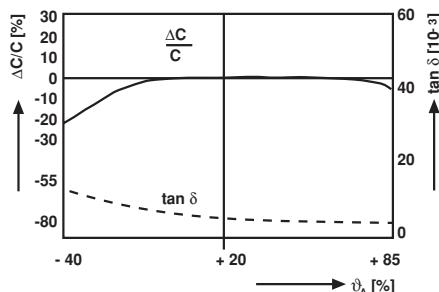
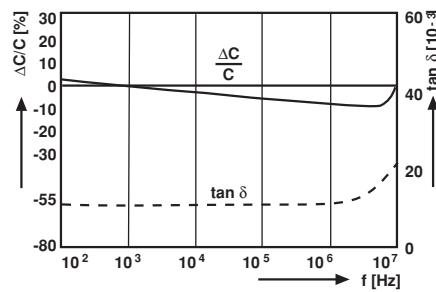
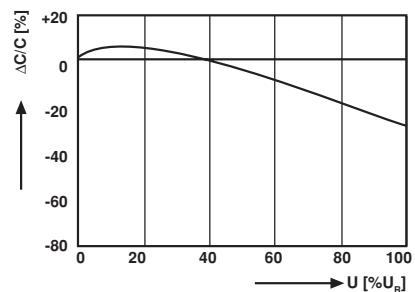
(- 40 to + 85°C)

ORDERING INFORMATION

IBC MODEL	152 CAPACITANCE VALUE	M TOLERANCE	BB RATED VOLTAGE	CD0 LEAD CONFIGURATION	K 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 $\pm 1^*$ (mm)	d $\pm 0.05^*$ (mm)	V $\pm 0.05^*$ (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			2.6		IBC221MBB□□□K	
270	9.0 x 5.5					IBC271MBB□□□K	
330	9.0 x 5.5					IBC331MBB□□□K	
390	13.0 x 6.0			3.4		IBC391MBB□□□K	
470	13.0 x 6.0					IBC471MBB□□□K	
560	17.0 x 6.0					IBC561MBB□□□K	
680	17.0 x 6.0			5		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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