

Application:

Self-healing metallized dielectric capacitor, impregnated with biodegradable, ambient compatible, NON-PCB dielectric fluid.

Technical data:

Rated capacitance	45 μ F
Capacitance tolerance	-0 +10%
Rated voltage	3300 V DC
Max operating voltage	5000 V DC

Max a.c voltage at (f = 50 Hz)	1500 V
Repetitive peak voltage	4000 V
Non repetitive peak voltage	8000 V
Permissible pulse load du/dt	100 V / μ s

Max current at (f = 50 Hz)	80 A _{rms}
Repetitive peak current	10 kA
Non repetitive peak current	20 kA

Electric strength:	
- between terminals	12000 V DC/ 2 s
- between interconnected terminals and casing	15000 V AC/ 60 s

Dissipation factor tg δ (f = 50 Hz)	< 0,001
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Expected life with 97 % survival at 40°C	100000 h
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Climatic category:

Lowest operating temperature	- 40 °C
Max operating temperature	+ 55 °C
Lowest storage temperature	- 55 °C
Max storage temperature	+ 85°C

Cooling	natural air
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Casing	GREY RAL
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Approx. weight	< 30 kg
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Impregnant:	NON PCB and chlorides
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Norm IEC 61881 "Railway applications - Rolling stock equipment - Capacitors for power electronics".



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