

**Application:**

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

**Technical data:**

Rated capacitance	12 $\mu$ F
Capacitance tolerance	0 $\div$ 10%
Rated voltage	4000 V DC
Max operating voltage	5000 V DC
Max a.c voltage at 50Hz	1500 V
Repetitive peak voltage	4000 V
Non repetitive peak voltage	8000 V
Permissible pulse load du/dt	100 V/ $\mu$ s
Max current at (f = 50 Hz)	20 A
Repetitive peak current	3 kA
Non repetitive peak current	6 kA
Electric strength:	
- between terminals	12000 V DC / 2 s
- between interconnected terminals and casing	15000 V AC / 60 s
Dissipation factor tg $\delta$ (f = 50 Hz)	<0.001
Expected life with (97%) survival at (40°C)	100000 h
<b>Climatic category:</b>	
Lowest operating temperature	-40°C
Max operating temperature	+55°C
Lowest storage temperature	-55°C
Max storage temperature	+85°C
Cooling	natural air
Casing	GREY RAL
Approx. weight	<20 kg
Impregnant:	NON PCB and chlorides
Norm IEC 61881 "Railway applications - Rolling stock equipment - Capacitors for power electronics".	

