



GTO Clamping Capacitors, Self-healing, Segmented

PART NO.	GTO 2940-12RP	
ART. NO.	20914	
NOMINAL RATINGS		
Capacitance/Tolerance	CN	12uF ± 5%
Rated voltage	UN	2940V
Rated DC voltage	Udc	2940VDC
Peak voltage period.	Us	3600VDC
Peak voltage not period.	Usmax	4100VDC
Voltage raise	du/dt	200V/us
Rated current	In	50A
Peak current	Is	2400A
Inductance	Ls	< 20nH
Loss factor diel.	tanδ	< 2*10 ⁻⁴
Loss factor 50Hz	tanδ	< 2*10 ⁻⁴
Loss factor 1kHz	tanδ	< 10.0*10 ⁻⁴

DESIGN DATA	
Diameter	91mm
Height	161mm
Drawing	20-B-043
Weight	1.2kg
Casing material	Lathene

Mounting	All
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LIFE EXPECTANCY	> 100000 Std
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FAILURE RATE	300 FIT
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ROUTINE TESTS

Test voltage terminal/terminal	UT/T	5880V, DC, 10s
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OPERATING TEMPERATURE

Minimum ambient temperature	Tamin	- 40°C
Maximum ambient temperature	Tamax	70°C
Minimum casing temperature	Tcmin	- 40°C
Maximum casing temperature	Tcmax	70°C

STORAGE TEMPERATURE

Minimum temperature	Tmin	- 50°C
Maximum temperature	Tmax	85°C

TECHNOLOGY

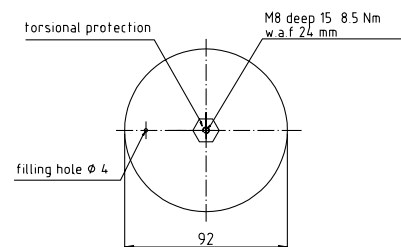
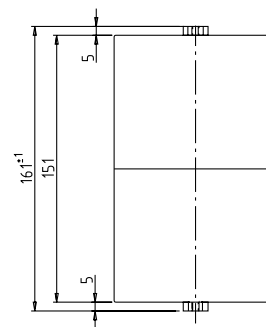
Dielectric Polypropylene film, metallized, self-healing **segmented**

Filling material resin, polyurethane **dry**

BUSHING

Internal thread	M8 depth 15mm
Max. torque	8.5Nm
Air distance	217mm
Creepage distance	217mm

DIMENSIONS





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