



GTO Snubber Capacitors, Dry Self-healing

PART NO.	GTO 4000-0.12 R	
ART. NO.	42844	
NOMINAL RATINGS		
Capacitance/Tolerance	CN	0.12uF ± 5%
Rated voltage	UN	4000V
Rated DC voltage	Udc	3000VDC
Rated RMS voltage	Urms	1400VAC
Peak voltage period.	Us	4000VDC
Peak voltage not period.	Usmax	4600VDC
Voltage raise	du/dt	4000V/us
Rated current	In	20A
Peak current	Is	480A
Inductance	Ls	< 10nH
Loss factor diel.	tand	< 2*10 ⁻⁴
Loss factor 50Hz	tand	< 2*10 ⁻⁴
Loss factor 1kHz	tand	< 10.0*10 ⁻⁴

DESIGN DATA	
Diameter	55mm
Height	59mm
Drawing	20-B-050
Weight	0.1kg
Casing material	plastic
Mounting position	every position

LIFE EXPECTANCY > 100000 Std

FAILURE RATE 300 FIT

ROUTINE TESTS		
Test voltage terminal/terminal	UT/T	6000V, DC, 10s

OPERATING TEMPERATURE		
Minimum ambient temperature	Ta min	- 40°C
Maximum ambient temperature	Ta max	70°C
Minimum casing temperature	Tc min	- 40°C
Maximum casing temperature	Tc max	75°C
Storage temperature		
Minimum temperature	Tmin	- 50°C
Maximum temperature	Tmax	85°C

TECHNOLOGY	
Dielectric	Polypropylene film metallized, self-healing
Filling material	resin, polyurethane dry

BUSHING	
Internal thread	M6 depth 8mm
Max. torque	6Nm
Air distance	79mm
Creepage distance	79mm

DIMENSIONS

