

Capacitor 2000VDC-5600 μ F

Nominal values

Rated capacitance	Cn	[μ F]	5600
Capacitor tolerance		[%]	$\pm 10\%$
Rated voltage	Un	[Vdc]	1950
5		[Vdc]	2000
Overvoltage		[Vdc]	2100
Rate of voltage rise (DV/dt)			4
Loss factor	tg δ		≤ 0.0050 (1V, 1KHz, 20 $^{\circ}$ C)
Rms current	Ir	[A]	250
Peak current	I	[A]	20000
Temperature Coefficient		[ppm/ $^{\circ}$ C]	between -300 and -150
Insulating resistance	I	[M Ω]	> 10000 (100V, 20 $^{\circ}$ C)

Test values

Between terminals	U _{t-t}	[Vdc]	2950 - 10s
Between terminals and case	U _{t-c}	[Vac]	5000 - 50Hz - 60s

Climatic conditions

Cooling			natural ventilation
Operating temperature	θ_{amb}	[$^{\circ}$ C]	-40 / +70
Storage temperature	θ	[$^{\circ}$ C]	-25 / +75
Installation			Whatever Position

Terminals

Screw bolt		[mm]	2-M12 \times 150
Torque for screw connections		[N.m]	M8-6N.m, M12-8N.m
Weight		[kg]	≤ 10
Case			304 stainless steel

Technology

Dielectric			Polypropylene
Impregnants			Polyurethane resin/Oil/ Epoxy resin/Wax/Inert gas
Execution according to			IEC 61071

