


Projection
**All Dimensions In
'mm'**
DO NOT SCALE
Tolerances Unless Stated
 No Decimal Place ± 1.0
 One Decimal Place ± 0.5
 Two Decimal Places ± 0.1
Electrical Data

C	0.5 μ F $\pm 5\%$
U_N	5600 V
U_s	8000 V
U_i	3960 V
\hat{I}	450 A
I_s	675 A
I_{max}	28 A
L	<15 nH
R_s	2.8 m Ω
P_{max}	2.5 W
R_θ	2.9 $^\circ$ C/W
$\tan \delta_o$	2×10^{-4}
α_{FQ}	300/10 ⁹
t_{life}	1×10^5 h

Routine Tests

U_{t-term}	AC 4420 V, 10s
U_{t-term}	DC 8400 V, 10s
U_{t-case}	AC 8920 V, 10s
IR_{t-term}	> 2×10^4 M Ω
IR_{t-case}	> 1×10^5 M Ω
$\tan \delta_f$	< 2.2×10^{-4} , 1kHz

Service Conditions

θ_{min}	-40 $^\circ$ C
$\Delta \theta_{case}$	+7 $^\circ$ C
θ_{amb}	+70 $^\circ$ C
θ_{max} \boxtimes	+77 $^\circ$ C
Altitude	< 1000 m
RH_{max}	95%
Cooling	Air
Flow rate	Convection
Pollution	PD3

Mechanical Data

Diameter	60 ± 2 mm
Height	137 ± 2 mm
Mass	~0.5 kg
Terminals	M8x1.25-6H x8mm
Maximum torque	6 Nm
Impregnation	Silicone oil
Encapsulation	Epoxy resin
Finish	Natural/Blue

Related Standards

BS EN 61071-1:2007	Power Electronic Capacitors
BS EN 61881:2000	Rolling Stock Equipment