



## Continuation

### Technical Data

Capacitance:	CN	1500 F	2000 F	3000 F
Capacitance tolerance:	-	±20%		
Rated voltage:	UR	2.7 V		
Rated current:	IC	150 A	180 A	240 A
Pulse current:	IP	up to 1200 A	up to 1600 A	up to 2200 A
Internal resistance:	RDC	0.47 mΩ	0.35 mΩ	0.29 mΩ
Max. stored energy: ±20%	E <sub>max.</sub>	5.5 kJ	7.5 kJ	11 kJ
Operating temperature:	T <sub>op</sub>	-30° C ... +65° C		
Storage temperature:	T <sub>st</sub>	-40° C ... +70° C		
Weight:	m	275 g	355 g	500 g
Volume:	V	0.21 l	0.28 l	0.39 l

### Additional Data

Case:	-	Al99.5
Screw terminations:	-	M8 x 2

### Comparative Data

<b>Lifetime:</b>				
in hours <sup>1)</sup>	h	90 000		
in cycles <sup>2)</sup>	Cycles	500 000		
<b>Energy density:</b>				
gravimetric	E <sub>d</sub>	5.5 Wh/kg	5.7 Wh/kg	6.1 Wh/kg
volumetric	E <sub>v</sub>	7.3 Wh/l	7.4 Wh/l	7.8 Wh/l

1) Requirements:  
 $\Delta C/CNl \leq 30\%$ ,  $ESR \leq 2$  times specified limit,  $I_{leak} \leq 2$  times of initial value.

2) Test conditions:  
 $\Delta C/CNl \leq 30\%$ ,  $ESR \leq 2$  times specified limit,  $I_{leak} \leq 2$  times of initial value  
 (cycles: charging to  $U_R$ , 30 sec rest, discharging to  $U_R/2$ , 30 sec rest).