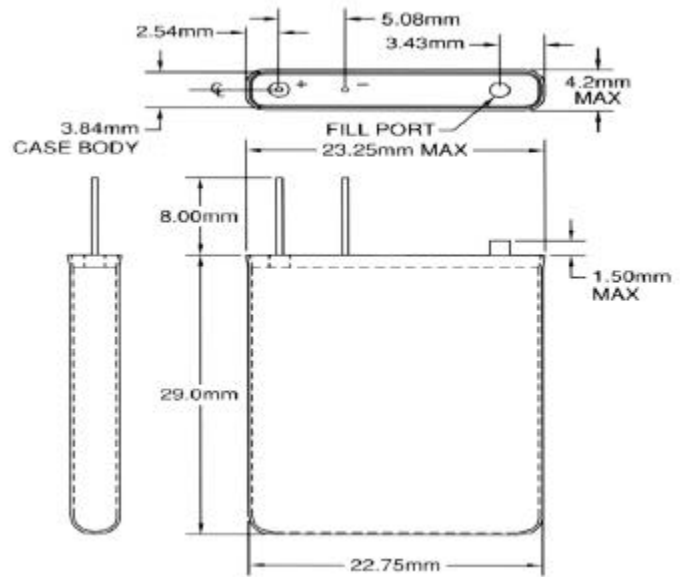


B49100

Prismatic cell
Solder pin

8F/2.3V	23x4x29mm
S+M Part No.: B49100-A1803-S000	

Case D: 4.0 ±0.2mm
 W: 23.0 ±0.3mm
 L: 29.0 ±0.3mm



PRELIMINARY TECHNICAL DATA

Rated Capacitance C_R (DCC ⁽¹⁾ , 25°C)	8 F	
Capacitance Tolerance	-20...+50 %	
Rated Voltage U_R	2.3 V	
Specific Power ⁽²⁾	769 W/kg	1647 W/l
Max. Charge/Discharge Current I_C (25°C)	3 A	
Stored Energy (at U_R)	21.16 J	
Specific Energy (at U_R)	0.98 Wh/kg	2.10 Wh/l
Surge Voltage	2.7 V	
Max. Leakage Current I_{LC} (12h, 25°C)	100 µA	
Max. Series Resistance ESR_{DC} (DCC, 25°C)	125 mW	
Max. Series Resistance ESR_{HF} (1kHz, 25°C)	75 mW	
Weight	6 g	
Volume	0.0028 l	
Operating Temperature	-20...+60 °C	
Storage Temperature	-30...+60 °C	
Life time (25°C, U_R)	90000 h	<i>Criteria:</i> $ \Delta C > 20\%$ of initial value or ESR >200% of initial value or ILC > specified value
Life time, cycles ⁽³⁾ (25°C, $I_C=1A$)	50000	<i>Criteria:</i> $ \Delta C > 20\%$ of initial value or ESR >200% of initial value or ILC > specified value

Remarks:

- (1) DCC: Discharging with constant current
- (2) discharging from U_R to $U_R/2$ with $I_C=3A$
- (3) 1 cycle: charging to U_R , 30s rest, discharging to 0V, 30s rest

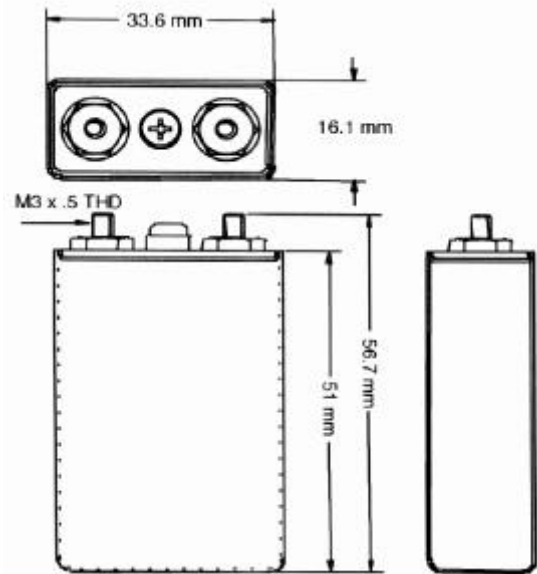
B49200

Prismatic cell

Screw terminals M3x5 Al-bolts

100F/2.3V	34x16x51mm
S+M Part No.: B49200-A1105-S000	

Case D: 16.4 ±1.0mm
 W: 33.6 ±0.2mm
 L: 51.3 ±0.3mm



PRELIMINARY TECHNICAL DATA

Rated Capacitance C_R (DCC ⁽¹⁾ , 25°C)	100 F	
Capacitance Tolerance	-20...+50 %	
Rated Voltage U_R	2.3 V	
Specific Power ⁽²⁾	1390 W/kg	1688 W/l
Max. Charge/Discharge Current I_C (25°C)	30 A	
Stored Energy (at U_R)	264.5 J	
Specific Energy (at U_R)	2.16 Wh/kg	2.62 Wh/l
Surge Voltage	2.7 V	
Max. Leakage Current I_{LC} (12h, 25°C)	300 µA	
Max. Series Resistance ESR_{DC} (DCC, 25°C)	10 mW	
Max. Series Resistance ESR_{HF} (1kHz, 25°C)	6 mW	
Weight	34 g	
Volume	0.028 l	
Operating Temperature	-20...+60 °C	
Storage Temperature	-30...+60 °C	
Life time (25°C, U_R)	90000 h	Criteria: $ \Delta C > 20\%$ of initial value or ESR >200% of initial value or ILC > specified value
Life time, cycles ⁽³⁾ (25°C, $I_C=10A$)	500000	Criteria: $ \Delta C > 20\%$ of initial value or ESR >200% of initial value or ILC > specified value

Remarks: (1) DCC: Discharging with constant current
 (2) discharging from U_R to $U_R/2$ with $I_C=30A$
 (3) 1 cycle: charging to U_R , 30s rest, discharging to 0V, 30s rest

B49300

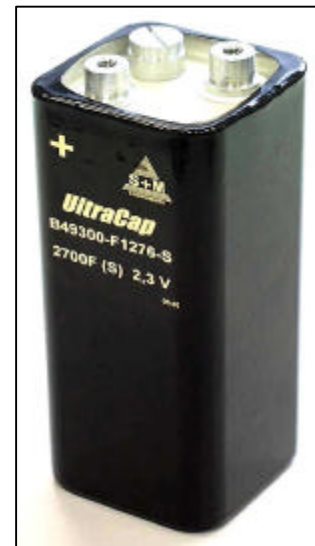
Screw terminals

M6

2700F/2.3V 61x61x155mm

S+M Part No.: B49300-F1276-S000

Case D: 61.0 ±0.5mm
 W: 61.0 ±0.5mm
 L: 155.0 +1.0mm



PRELIMINARY TECHNICAL DATA

Rated Capacitance C_R (DCC ⁽¹⁾ , 25°C)	2700 F	
Capacitance Tolerance	-20...+50 %	
Rated Voltage U_R	2.3 V	
Specific Power ⁽²⁾	841 W/kg	1034 W/l
Max. Charge/Discharge Current I_C (25°C)	400 A	
Stored Energy (at U_R)	7142 J	
Specific Energy (at U_R)	2.74 Wh/kg	3.36 Wh/l
Surge Voltage	2.7 V	
Max. Leakage Current I_{LC} (12h, 25°C)	6 mA	
Max. Series Resistance ESR_{DC} (DCC, 25°C)	1000 μW	
Max. Series Resistance ESR_{HF} (1kHz, 25°C)	600 μW	
Weight	725 g	
Volume	0.590 l	
Operating Temperature	-20...+60 °C	
Storage Temperature	-40...+60 °C	
Life time (25°C, U_R)	90000 h	Criteria: $ \Delta C > 20\%$ of initial value or ESR >200% of initial value or ILC > specified value
Life time, cycles ⁽³⁾ (25°C, $I_C=100A$)	500000	Criteria: $ \Delta C > 20\%$ of initial value or ESR >200% of initial value or ILC > specified value

Remarks:

- (1) DCC: Discharging with constant current
- (2) discharging from U_R to $U_R/2$ with $I_C=400A$
- (3) 1 cycle: charging to U_R , 30s rest, discharging to 0V, 30s rest