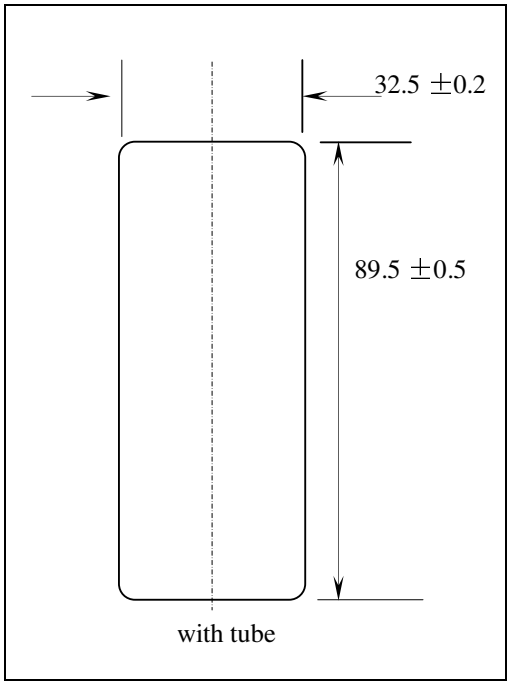
Yuasa Battery Sales (UK) Ltd

MODEL No: 1F (GENERIC) **Description**: F SIZE NI-CAD

Capacities Available : 7000 and 8000 mAh



Specification

Nominal Capacity			As Spec
Nominal Voltage			1.2 V
Charge current		Trickle	0.05 - 0.1 CA
		Standard	0.1 CA
		Quick	0.2 CA
Charge time		Standard	14~16 Hrs
		Quick	5~6 Hrs
Ambient Temperature	Charge	Standard	0~50ºC
		Quick	10~50ºC
	Discharge		-30~60ºC
	Storage		-30~65ºC
Max Humidity for Discharge			85%
Internal Impedance(AC) (After Charge using 1Khz)			Average≤7.0
Weight			185g

Performance

Test	Unit	Specification	Test Conditions
Capacity	mAh	≥Capacity as specified	Standard Charge and then Discharge (0.2CA for 5 Hours) Allowing up to 3 cycles to achieve full capacity
Open Circuit Voltage(OCV)	V/cell	≥1.25	Within 1 hour after standardCharge
High Rate Discharge(1C)	Minute	≥54	Standard Charge then 1 hour rest. Before discharge by 1CA)to 1.0V/cell. Allowing up to 3 cycles to achieve full capacity.
Overcharge	/	No leakage nor explosion	(0.1C) Charge 28 days
Charge Retention	mAh	≥ 0.7C (70%)	Standard Charge, Storage 28 days, Standard Discharge
IEC Cycle Life	Cycle	≥700	IEC285(1993)4.4.1
Leakage		No leakage nor deformation	Fully charged at : (0.2C) for 5 hrs. Then stand for 14 days

- Maximum Cell voltage should be considered to be 1.70 Volts.
- -ΔV termination should be set at 20-30 mV/cell.
- DT/dt termination should be 0.5°C/Minute.