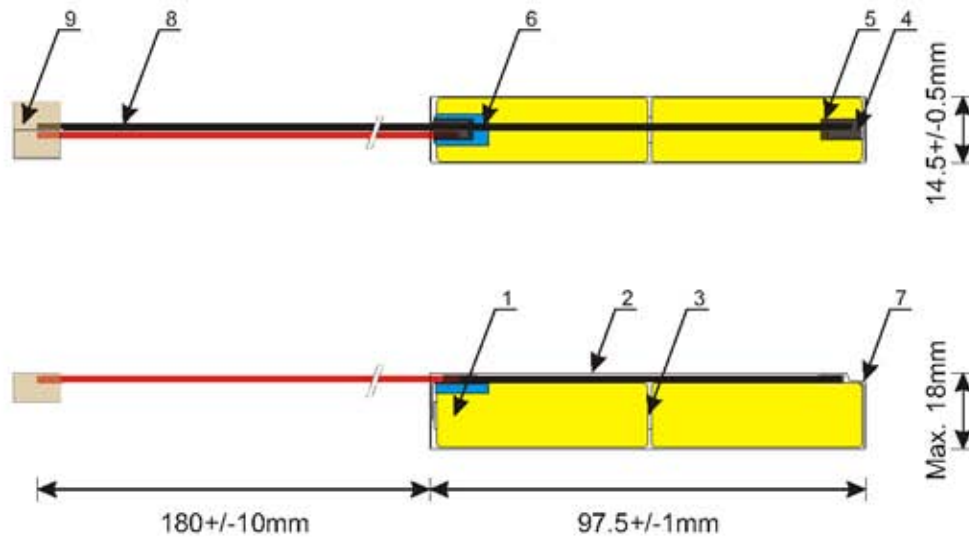


NICD RECHARGEABLE CYLINDRICAL BATTERY

DRAWING



Printing:



5	Shrink Tube	2			
4	Soldering Tags (0.13mm)	2	9	Fibre Tape	2
3	Connecting Tags (0.13mm)	1	8	UL1007 AWG#18 B/R Wires	2
2	Yellow PVC Shrink	1	7	Fibre Paper (AA)	2
1	NiCd AA 700mAh Battery	2	6	Insulation Tape	1
Item	Details	Qty	Item	Details	Qty

Information is for references only.

Model : BNP2700A
Version : 2.40

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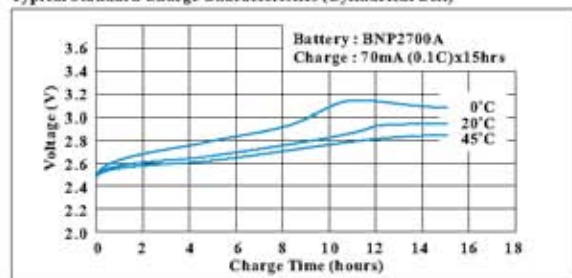
A322K27

NICD RECHARGEABLE CYLINDRICAL BATTERY

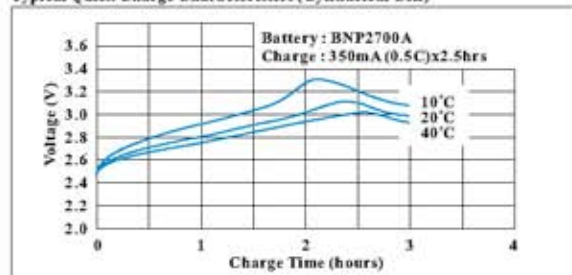
SPECIFICATIONS

Model	:	BNP2700A
Description	:	NiCd rechargeable battery, 'AA' size, flat cap
Nominal Capacity	:	700 mAh at 140mA rate discharge (3 cycles allowed)
Nominal Voltage	:	2.4 Volt (After charge)
Cut-Off Voltage	:	2.0 Volt
End of Charge Voltage	:	≤ 3.2 Volt
End of Discharge Voltage	:	≥ 1.8 Volt
Weight	:	40 gram
Life Duration	:	≥ 500 cycles (Comply to IEC 61951-1 Ed. 2.1 2006)
Charge	:	Trickle - 21-35 mA Standard - 70 mA x 14 hours Quick - 700 mA x 1.2 hours (with cut-off control)
Temperature Environment	:	Standard charge - 0 degC to 45 degC Quick charge - 10 degC to 40 degC Discharge - -20 degC to 60 degC Storage - -20 degC to 40 degC
Trickle Charge	:	21mA for 28 days, no leakage, no explosion
Charge Retention	:	$>60\%$ for 28 days storage after standard charge
Leakage	:	No leakage, No explosion under standard operating condition
Vibration	:	Battery remain normal after vibration at Amp: 4mm; Freq.: 1000/min for 60 min.
Shock	:	Battery remain normal after dropping from 450mm to an Oak board for 3 times

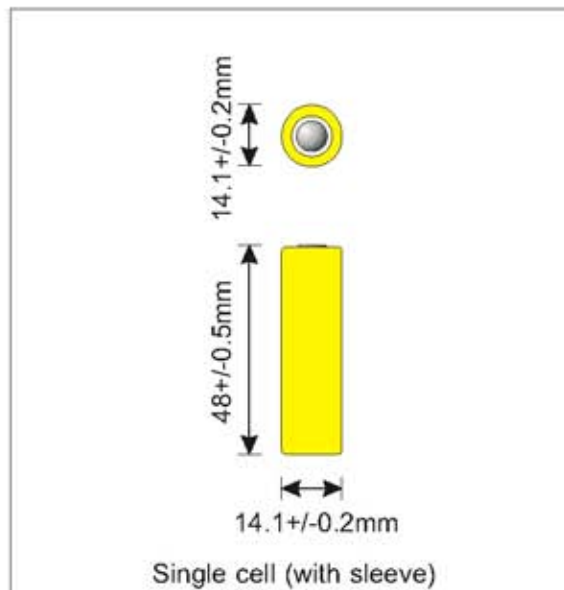
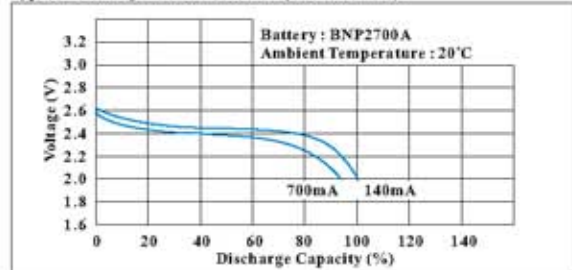
Typical Standard Charge Characteristics (Cylindrical Cell)



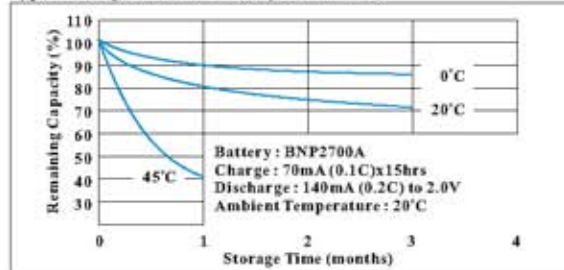
Typical Quick Charge Characteristics (Cylindrical Cell)



Typical Discharge Characteristics (Cylindrical Cell)



Typical Storage Characteristics (Cylindrical Cell)



Information is for references only.

Model : BNP2700A
Version : 2.40

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