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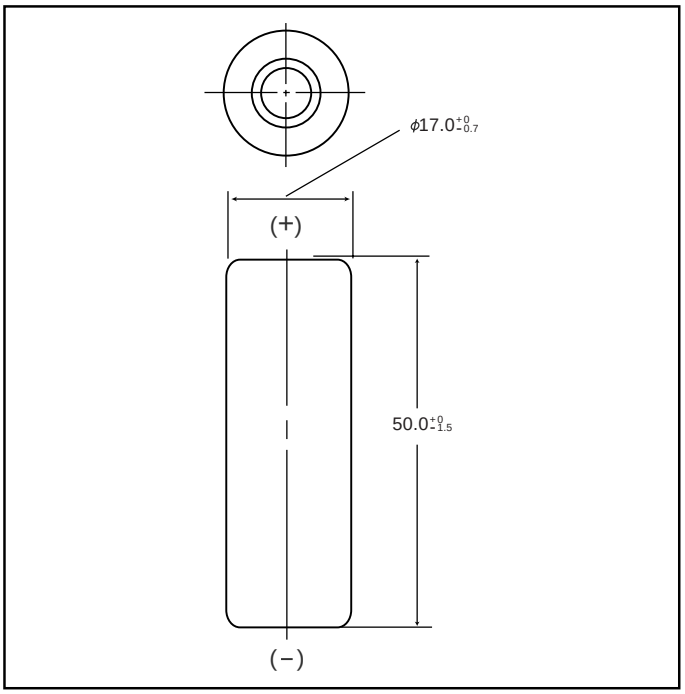
Panasonic - BSG
P-140AS/A16T

For any questions, you can email us directly:
sales@integrated-circuit.com

NICKEL CADMIUM BATTERIES: INDIVIDUAL DATA SHEET

P-140AS A size (KR17/50) Type: S

Dimensions (with tube) (mm)



Specifications

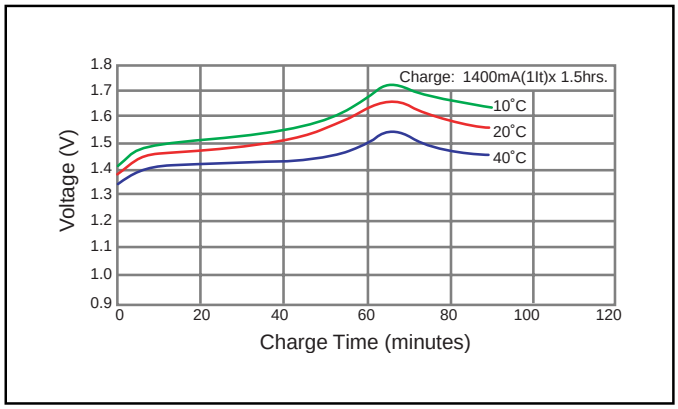
	mm	inch
Diameter	17.0 +0/-0.7	0.67 +0/-0.03
Height	50.0 +0/-1.5	1.97 +0/-0.06
Approximate Weight	Grams	Ounces
	32g	1.13

Nominal Voltage			1.2V	
Discharge Capacity*		Average**	1530mAh	
		Rated (Min.)	1400mAh	
Approx. Internal impedance at 1000Hz at charged state			14mΩ	
Charge		Standard	140mA (0.1It) x 16 hrs.	
		Rapid***	1400mA (1It) x 1.5 hrs.	
Ambient Temperature	Charge	Standard	˚C	˚F
			0˚C to 45˚C	32˚F to 113˚F
		Rapid	10˚C to 40˚C	50˚F to 104˚F
	Discharge		-20˚C to 65˚C	-4˚F to 149˚F
	Storage	< 2 years	-20˚C to 35˚C	-4˚F to 95˚F
		< 6 months	-20˚C to 45˚C	-4˚F to 113˚F

* 0.2It discharge capacity after charging at 0.1It for 16 hours.
** For reference only.
*** Refer to “Charge Methods for Ni-Cd Batteries”
Battery performance and cycle life are strongly affected by how they are used. In order to maximize battery safety, please consult Panasonic when determining charge / discharge specs, warning label contents and unit design.

Note: [It] was previously expressed as [C]. [It] is an IEC standard expression for the amount of charge or discharge current and is expressed as: It(A) = Cn (Ah)/1h.
- [It] is the reference test current in ampres
- [Cn] is the rated capacity of the cell or battery in Ampere-hours. n = the time base [hours] for which the rated capacity is declared

Typical Charge Characteristics



Typical Discharge Characteristics