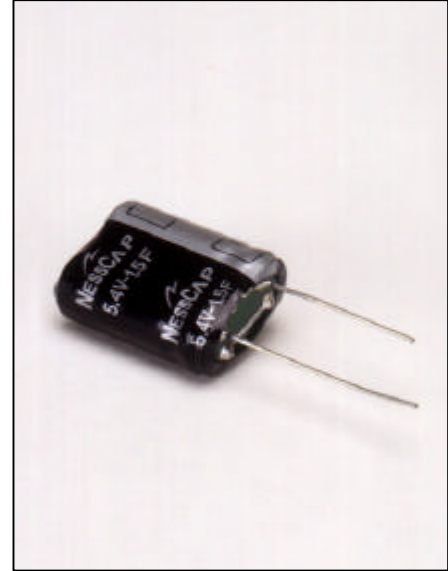
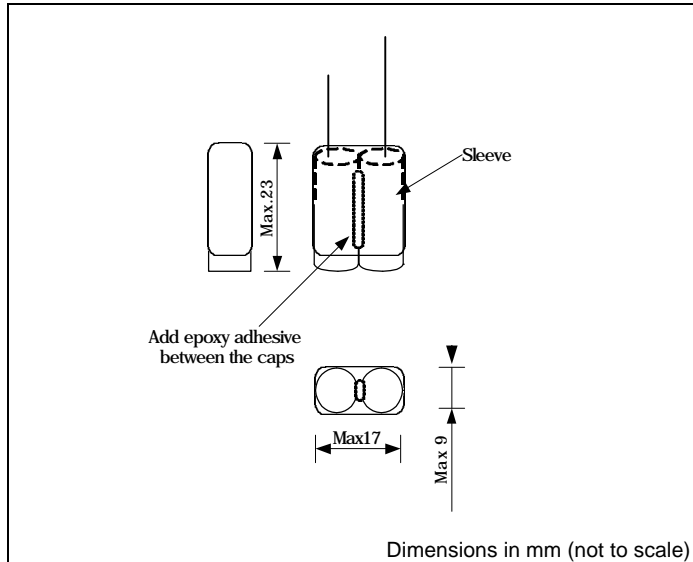


NESSCAP 1.5F/5.4V

EMHSR-0001C5-005R4

■ Features

- Cylindrical cell
- Radial lead terminals



■ Specifications

Rated Capacitance, C (DCC ⁽¹⁾ , 25°C)	1.5 Farads	(1) Discharging with constant current	
Capacitance Tolerance	-10% / +20%		
Rated Voltage, V _R	5.4 V		
Surge Voltage	5.7 V		
Rated Current (25°C) ⁽²⁾	0.765 A	(2) 5 sec discharge rate to 1/2 V _R	
Max. Current (25°C) ⁽³⁾	> 3.1 A	(3) 1 sec discharge rate to 1/2 V _R	
Max. Stored Energy (at V _R)	21.87J (0.0061Wh)		
Specific Energy	Gravimetric	1.74 Wh/kg	
	Volumetric	1.91 Wh/l	
Specific Power ⁽⁴⁾ (at matched load)	Gravimetric	10.41 kW/kg	(4) Power density at which one-half the energy of the discharge is in the form of electricity and one-half is in heat.
	Volumetric	11.39 kW/l	
Maximum Internal Resistance (ESR)	AC (1kHz)	150 mW	
	DC (0.3A)	200 mW	
Dimensions	23 x 17 x 9 mm		
Volume	3.2 ml		
Weight	3.5 g		
Operating temperature range ⁽⁵⁾	-40 ~ 60 °C	(5) ½DC½ < 20% and ESR < 2 times of initially measured value at 25°C, respectively	
Storage temperature range	-40 ~ 70 °C		
Max. Leakage Current, L _C (12h, 25°C)	1.6mA		
Life Time at RT ⁽⁶⁾	10 years	(6) ½DC½ < 30% and ESR < 2 times of initially measured value, respectively and LC < specified value	
Cycle Life (25°C) ^{(6), (7)}	500,000 cycles	(7) 1 cycle: charging to V _R for 20s, constant voltage charging for 10s, discharging to 1/2V _R for 20s, rest for 10s	

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