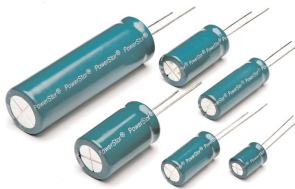


HV Supercapacitor



Ultra-low ESR supercapacitors ideal for providing peak current demand



HV family

Ultra-low ESR Eaton HV family products offer high power capability in compact package sizes.

High capacitance

High capacitance (1 F to 100 F) enables long term power backup and high peak current capability.

Ultra-low Equivalent Series Resistance (ESR)

ESR levels as low as 12 mΩ ensure minimal voltage drop during peak current demand, increasing the amount of power that can be delivered to the load.

Long operating life

With an achievable operating life of over 10 years, Eaton supercapacitors will not need replacing and will last as long as your equipment is in service.

Configurable

Supercapacitors can be configured in series and parallel to increase the voltage rating and energy storage capability. Package solutions are available, please consult your Eaton representative for details.

Industrial operating temperature range

With a wide, -40 °C to +85 °C, operating temperature range, the HV family is ideal for harsh environment industrial and telecom applications.

Applications

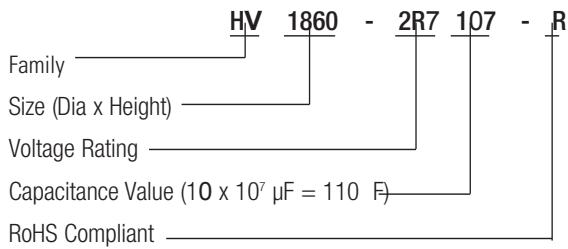
- Automated meter reading
- Asset tracking / fleet management
- Valve & solenoid actuation
- Solid state hard drives
- Telecom 'Triple Play'
- Cellular base stations

EATON

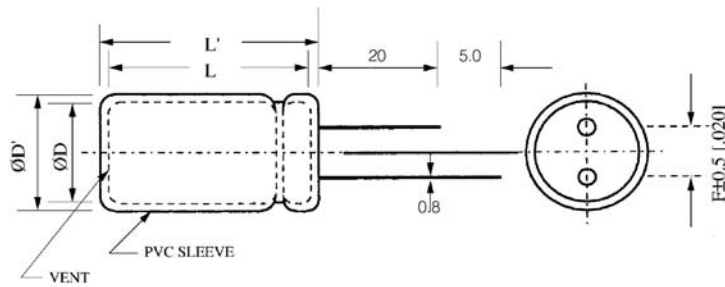
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Specifications

Catalog Symbol



Dimensions



Note: Longer lead is positive.

Dimensions (mm)					
Part Number	D	D'	L	L'	F
HV0810-2R7105-R	8.0	8.5	13.0	13.5	3.5
HV0820-2R7305-R	8.0	8.5	20.5	21.0	3.5
HV1020-2R7505-R	10.0	10.5	21.8	22.3	5.0
HV0830-2R7605-R	8.0	8.5	30.5	31.0	5.0
HV1030-2R7106-R	10.0	10.5	31.0	31.5	5.0
HV1325-2R7156-R	13.0	13.5	27.9	28.4	5.0
HV1625-2R7256-R	16.0	16.5	27.9	28.4	7.5
HV1635-2R7356-R	16.0	16.0	37.5	38.0	7.5
HV1840-2R7606-R	18.0	18.5	41.5	42.0	7.5
HV1860-2R7107-R	18.0	18.5	59.5	60.0	7.5

Specifications	
Working Voltage	2.7 V
Surge Voltage	3.0 V
Nominal Capacitance Range	1.0 F to 100 F
Equivalent Series Resistance @ 100Hz	0.200 to 0.012 Ω
Capacitance Tolerance	-10% to +30% (+20 °C)
Operating Temperature Range	-40 °C to +65 °C
Extended Operating Temperature Range	-40 °C to +85 °C (Max working voltage 2.1 V)

Technical Application Assistance

E-mail capacitortech@eaton.com

Data Sheets: www.eaton.com/electronics

Order samples on-line: <https://tools.eatonelectronics.com/request-form>

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For more information visit:
www.eaton.com/supercapacitors

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