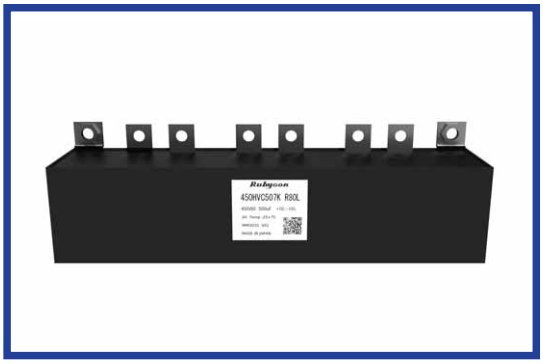
# HVC SERIES UPGRADE

## Low ESL, Rectangular Type

- For Industrial equipment and in-vehicle inverter. (Module type)
- Direct mount on the semiconductor module.
- Low ESL design.
- High isolation and low loss of polypropylene film used.
- Custom design is available.

RoHS compliance

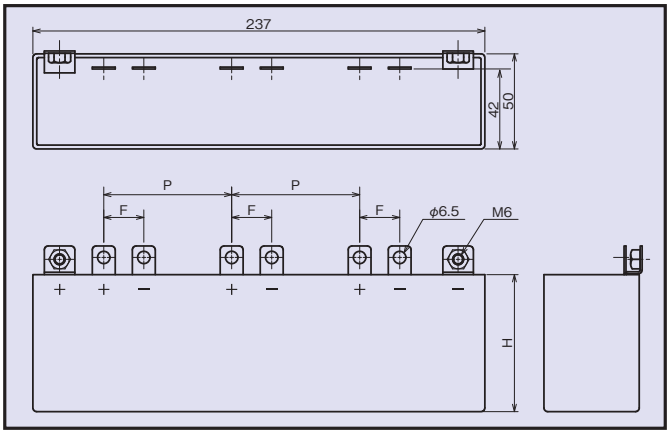


## ◆STANDARD SPECIFICATIONS

| | |
|---|---|
| Category Temperature Range | −40℃～+105℃ |
| Rated Voltage | 450Vdc |
| Capacitance | 500μF, 800μF (1kHz) |
| Capacitance Tolerance | ±10%(K) |
| tanδ | 0.005max (1kHz 25℃±5℃) |
| ESL | 15nH |
| Voltage Proof | Between the terminals : Rated Voltagex1.5 10s |
| | Between the terminal and case : 2000Vdc 10s |
| Insulation Resistance | 3000ΩFmin (20℃ 120s 100Vdc) |
| Case | PPS Resin |
| Filling Resin | Epoxy Resin |
| Reference Standard | JIS C 5101-16 IEC 61071 |

## ◆DIMENSIONS

(mm)



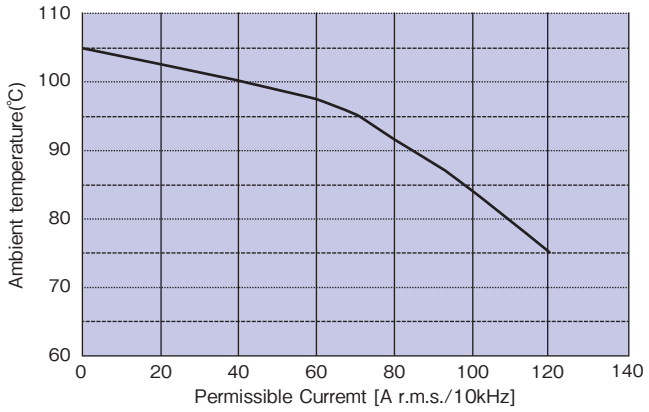

## ◆PART NUMBER

| 450 | HVC | □□□ | K | □□□ | L |
|---|---|---|---|---|---|
| Rated Voltage | Series | Capacitance | Capacitance Tolerance | Option | Terminal Code |

## ◆STANDARD SIZE

| Rated Voltage | Cap(μF) | Cap Tolerance(%) | Dimensions (mm) | | | Part No. |
|---|---|---|---|---|---|---|
| | | | H | F | P | |
| 450 Vdc | 500 | K (±10%) | 54 | 17 | 64.5 | 450HVC507KR80L |
| | | | | 21 | 67.1 | 450HVC507KR81L |
| | | | | 22 | 50 | 450HVC507KR82L |
| | | | | 28 | 50 | 450HVC507KR83L |
| | 800 | | 72 | 17 | 64.5 | 450HVC807KR70L |
| | | | | 21 | 67.1 | 450HVC807KR71L |
| | | | | 22 | 50 | 450HVC807KR72L |
| | | | | 28 | 50 | 450HVC807KR73L |

## ◆PERMISSIBLE CURRENT FOR AMBIENT TEMPERATURE



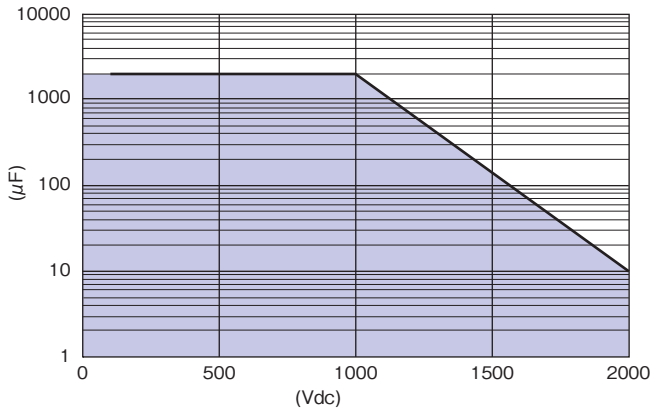

## ◆CUSTOM DESIGN

Full custom design / production is available.
Accommodating requests from a small number of samples to mass production. For details, please consult our sales offices.

【Full custom modifications】

- ・Customize specifications
- ・Layout terminals on multiple surface
- ・Built-in resistance, Y capacitors etc.
- ・Built-in heatsink, shield plate etc.
- ・Add fixtures for mounting
- ・Built-in thermocouple, thermistor etc.
- ・Add stand etc. for the board mounting

### CUSTOMIZABLE RANGE




- Other custom examples (http://www.rubycon.co.jp/catalog/j_pdfs/film/j_HVC_custom.pdf)
- Also consider customize possibility out of the range, please consult our sales offices.