

## FEATURES

- Operative Standard: GJB5437-2005 and ZZR(Z)-Q/MM20145A-2007
- New case size offerings
- Terminations: 100% tin (2) standard; tin / lead available
- Extremely low ESR
- Mounting: surface mount
- Ripple current up to 3.7A
- 100% surge current tested
- Moisture sensitivity level 2a
- RoHS-compliant and non RoHS-compliant both available



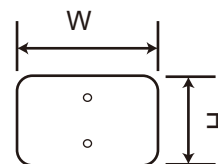
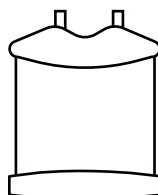
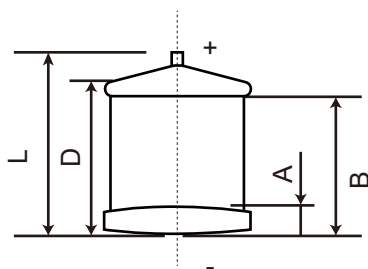
## PERFORMANCE / ELECTRICAL CHARACTERISTICS

Operating Temperature: -55 °C to +125 °C  
(above 85 °C, voltage derating is required)

Capacitance Range: 10 μF to 2200 μF

Capacitance Tolerance: ± 10 %, ± 20 % standard

Voltage Rating: 4 V<sub>DC</sub> to 75 V<sub>DC</sub>



## External dimensions of capacitors

| Size Code | Dimensions mm |                                     |         |         |         |     |
|-----------|---------------|-------------------------------------|---------|---------|---------|-----|
|           | L max         | W                                   | H       | A       | B       | D   |
| E         | 7.6           | 4.4±0.4                             | 4.0±0.4 | 1.3±0.3 | 4.6±0.6 | 6.4 |
| R         | 7.6           | 6.0±0.4                             | 3.6±0.4 | 1.3±0.3 | 4.6±0.6 | 6.2 |
| F         | 7.6           | 6.0±0.4                             | 4.7±0.4 | 1.4±0.4 | 4.6±0.6 | 6.2 |
| Z         | 7.6           | 6.0±0.4                             | 6.0±0.4 | 1.4±0.4 | 4.6±0.6 | 6.2 |
| H         | 8.0           | 6.0 <sup>+0.4</sup> <sub>-0.6</sub> | 5.2±0.4 | 1.4±0.4 | 5.0±0.6 | 6.6 |
| N         | 8.0           | 6.0 <sup>+0.4</sup> <sub>-0.6</sub> | 6.4±0.4 | 1.4±0.4 | 5.0±0.6 | 6.6 |