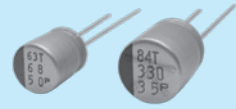


# HEPF Series

125°C

High Capacitance

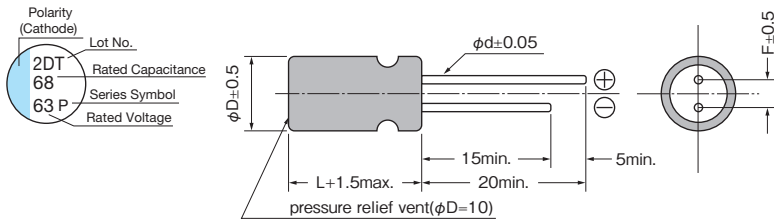


- 125°C 4,000hours ● Laminated case
- Solvent proof (within 2 minutes)
- AEC-Q200

## Specifications

| Items                           | Condition  | Specifications                            |                                       |      |      |      |      |
|---------------------------------|--|---|---------------------------------------|------|------|------|------|
| Rated voltage (V)               | —  | 25  | 35                                    | 50   | 63   | 80   | 100  |
| Surge voltage (V)               | Room temperature   | 32  | 44                                    | 63   | 79   | 100  | 125  |
| Category temperature range (°C) | —  | -55 to +125                               |                                       |      |      |      |      |
| Capacitance tolerance (%)       | 120Hz/20°C   | M : ±20                                   |                                       |      |      |      |      |
| Dissipation Factor (tan δ)      | tanδ (max.) 120Hz/20°C   | 0.14                                      | 0.12                                  | 0.10 | 0.08 | 0.08 | 0.08 |
| Leakage current (LC)            | μA/after 2minutes (max.), 20°C   | The greater value of either 0.05CV or 100 |                                       |      |      |      |      |
| Endurance                       | 125°C, 4,000hours<br>rated voltage applied<br>(With the rated<br>ripple current) | ΔC/C                                      | Within ±30% of the initial value      |      |      |      |      |
|                                 |  | tanδ                                      | Less than 200% of the specified value |      |      |      |      |
|                                 |  | ESR                                       | Less than 200% of the specified value |      |      |      |      |
|                                 |  | LC  | Less than the specified value         |      |      |      |      |

## Marking, Dimensions



(Unit : mm)

| φD  | L    | F   | φd   |
|-----|------|-----|------|
| 6.3 | 7.2  | 2.5 | 0.45 |
| 8   | 9.5  | 3.5 | 0.6  |
| 10  | 9.5  | 5.0 | 0.7  |
| 10  | 11.5 | 5.0 | 0.7  |

## Size, ESR, Rated Ripple Current

| μF  | V       | 25      | 35              | 50              | 63              | 80              | 100             |
|-----|---------|---------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 10  |         |         |                 |                 |                 |                 | 8×9.5 60 900    |
| 15  |         |         |                 |                 | 6.3×7.2 80 900  |                 | 10×9.5 45 1120  |
| 18  |         |         |                 |                 |                 |                 | 10×11.5 40 1220 |
| 22  |         |         |                 |                 | 6.3×7.2 80 900  | 8×9.5 45 1030   |                 |
| 27  |         |         |                 |                 |                 | 8×9.5 45 1030   |                 |
| 33  |         |         |                 | 6.3×7.2 40 1100 | 8×9.5 40 1100   | 10×9.5 36 1270  |                 |
| 39  |         |         |                 |                 |                 | 10×11.5 32 1360 |                 |
| 47  |         |         |                 |                 | 8×9.5 40 1100   | 10×9.5 36 1270  |                 |
| 56  |         |         |                 |                 | 10×9.5 30 1400  | 10×11.5 32 1360 |                 |
| 68  |         |         | 6.3×7.2 35 1400 | 8×9.5 30 1250   | 10×11.5 22 1650 |                 |                 |
| 82  |         |         |                 |                 | 10×9.5 30 1400  |                 |                 |
| 100 | 6.3×7.2 | 30 1400 |                 |                 | 10×11.5 22 1650 |                 |                 |
| 120 |         |         |                 | 10×9.5 28 1600  |                 |                 |                 |
| 150 |         |         | 8×9.5 27 1600   | 10×11.5 19 1820 |                 |                 |                 |
| 220 | 8×9.5   | 27 1600 |                 |                 |                 |                 |                 |
| 270 |         |         | 10×9.5 20 2000  |                 |                 |                 |                 |
| 330 | 10×9.5  | 20 2000 | 10×11.5 17 2260 |                 |                 |                 |                 |
| 470 | 10×11.5 | 16 2260 |                 |                 |                 |                 |                 |

Please refer to page 18 for ripple current frequency coefficients.

Case size: φDxL (mm) ———  
 ESR (mΩ) ———  
 max. at 100kHz, 20°C  
 Rated ripple current ———  
 mA Arms (100kHz, 125°C)

## Part number

