

RHT High Temperature(125°C)



FPCAP



- Low ESR, High Capacitance, High ripple current.
- Load life of 1000 hours at 125°C.
- Radial lead type : Lead free flow soldering condition correspondence.
- Compliant to the RoHS directive (2011/65/EU,(EU)2015/863).

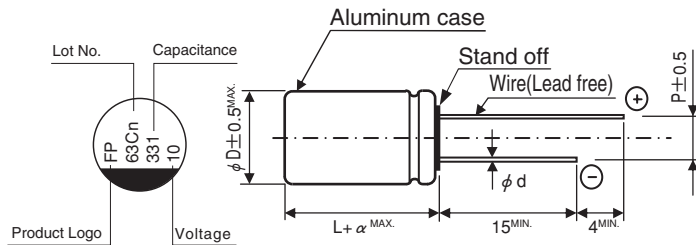
■ Specifications

| Item | Performance Characteristics | |
|-------------------------------|--|---|
| Category Temperature Range | -55 to +125°C | |
| Rated Voltage Range | 6.3 to 35V | |
| Rated Capacitance Range | 100 to 1000μF | |
| Capacitance Tolerance | ±20% at 120Hz, 20°C | |
| Tangent of loss angle (tan δ) | Less than or equal to the specified value at 120Hz, 20°C | |
| ESR (※1) | Less than or equal to the specified value at 100kHz, 20°C | |
| Leakage Current (※2) | Less than or equal to the specified value. After 2 minutes' application of rated voltage at 20°C | |
| Endurance | Test condition | 125°C, rated voltage 1000Hrs. |
| | Capacitance change | Within ±20% of initial value before test |
| | tan δ | 200% or less than the initial specified value |
| | ESR(※1) | 200% or less than the initial specified value |
| | Leakage current (※2) | Less than or equal to the initial specified value |

※1 ESR should be measured at both of the terminal ends closest to the capacitor body.

※2 Conditioning : If any doubt arises, measure the leakage current after the voltage treatment of applying DC rated voltage continuously to the capacitor for 120 minutes at 105°C.

■ Dimensions



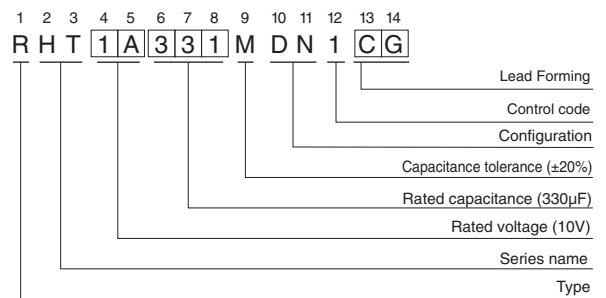
(mm)

| φD×L | φd | P | α |
|---------|-----|-----|-----|
| 8×11.5 | 0.6 | 3.5 | 1.5 |
| 10×12.5 | 0.6 | 5.0 | 1.5 |

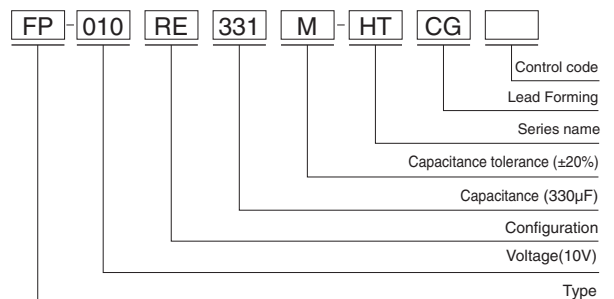
● Frequency coefficient of rated ripple current

| Frequency | 120 Hz | 1 kHz | 10 kHz | 100 kHz | 300 kHz |
|-------------|--------|-------|--------|---------|---------|
| Coefficient | 0.10 | 0.45 | 0.50 | 1.00 | 1.00 |

Type numbering system (Example : 10V 330μF)
Nichicon part number



FPCAP part number



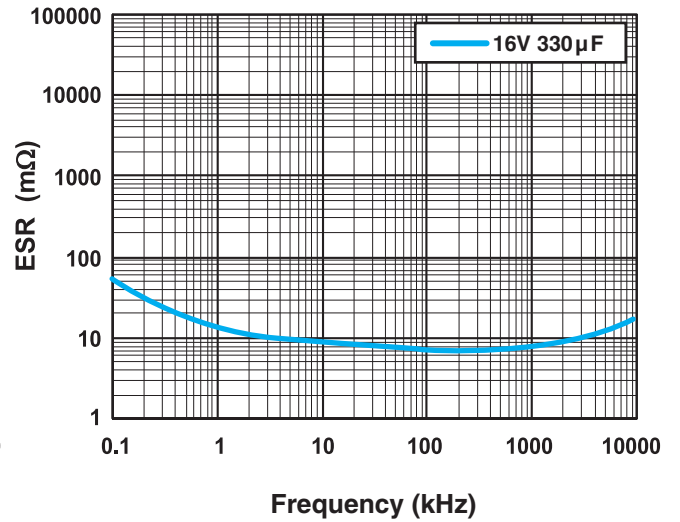
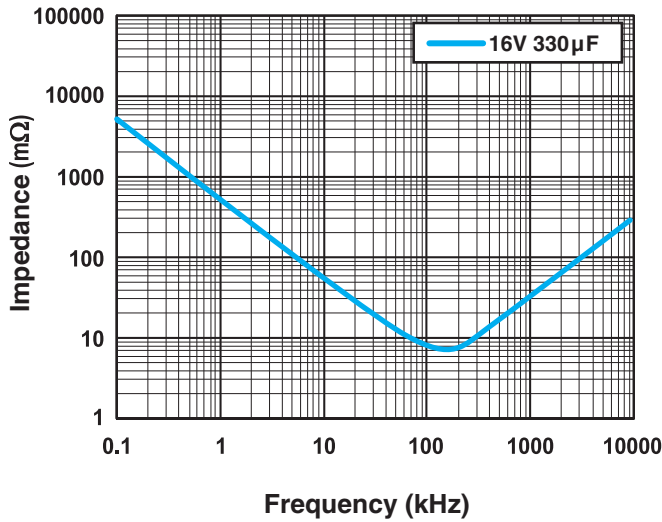
RHT

■ Dimensions

| Rated Voltage (V) (code) | Surge Voltage (V) | Rated Capacitance (μF) | Case Size φD×L (mm) | tan δ | Leakage Current (μA) (at 20°C after 2 minutes) | ESR (mΩ) (20°C/100kHz) | Rated Ripple Current (mA)(105°C/100kHz) | | NICHICON | FPCAP |
|--------------------------|-------------------|------------------------|---------------------|-------|--|------------------------|---|------------------|----------------|-------------------|
| | | | | | | | ≤105°C * | 105°C < ≤125°C * | | |
| 6.3 (0J) | 7.2 | 680 | 10×12.5 | 0.12 | 857 | 12 | 5450 | 1740 | RHT0J681MDN1□□ | FP-6R3RE681M-HT□□ |
| | | 820 | 10×12.5 | 0.12 | 1033 | 12 | 5450 | 1740 | RHT0J821MDN1□□ | FP-6R3RE821M-HT□□ |
| | | 1000 | 8×11.5 | 0.12 | 1260 | 10 | 5200 | 1600 | RHT0J102MDN1□□ | FP-6R3RE102M-HT□□ |
| 10 (1A) | 11.5 | 220 | 8×11.5 | 0.12 | 440 | 17 | 3950 | 1260 | RHT1A221MDN1□□ | FP-010RE221M-HT□□ |
| | | 330 | 8×11.5 | 0.12 | 660 | 17 | 3950 | 1260 | RHT1A331MDN1□□ | FP-010RE331M-HT□□ |
| | | 390 | 8×11.5 | 0.12 | 780 | 16 | 3950 | 1260 | RHT1A391MDN1□□ | FP-010RE391M-HT□□ |
| | | 560 | 10×12.5 | 0.12 | 1120 | 13 | 5250 | 1680 | RHT1A561MDN1□□ | FP-010RE561M-HT□□ |
| 16 (1C) | 18.4 | 270 | 10×12.5 | 0.12 | 864 | 16 | 4750 | 1520 | RHT1C271MDN1□□ | FP-016RE271M-HT□□ |
| | | 330 | 10×12.5 | 0.12 | 1056 | 16 | 4750 | 1520 | RHT1C331MDN1□□ | FP-016RE331M-HT□□ |
| | | 470 | 10×12.5 | 0.12 | 1504 | 16 | 4750 | 1520 | RHT1C471MDN1□□ | FP-016RE471M-HT□□ |
| 20 (1D) | 23.0 | 150 | 10×12.5 | 0.12 | 600 | 20 | 4350 | 1390 | RHT1D151MDN1□□ | FP-020RE151M-HT□□ |
| 35 (1V) | 40.2 | 100 | 10×12.5 | 0.12 | 700 | 25 | 3250 | 1040 | RHT1V101MDN1□□ | FP-035RE101M-HT□□ |

* : At ambient temperature

■ Frequency Characteristics (The frequency characteristics are typical and not a guaranteed value.)



• For formed lead or taped product specifications and minimum order quantity, please refer to the Guidelines for Aluminum Electrolytic Capacitors.

单击下面可查看定价，库存，交付和生命周期等信息

[>>Nichicon\(尼吉康\)](#)