High Voltage, Smaller-sized series

- High ripple current.
- Load life of 2000 hours at 105°C.
- Suited for ballast applications.
- Compliant to the RoHS directive (2002/95/EC).

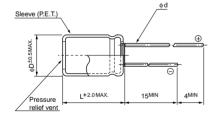




■Specifications

| Item | Performance Characteristics | | | | | | | |
|-------------------------------|---|--------------------|-------|-----|-----------|---|--|--|
| Category Temperature Range | -25 to +105°C | | | | | | | |
| Rated Voltage Range | 400 to 450V | | | | | | | |
| Rated Capacitance Range | 27 to 220μF | | | | | | | |
| Capacitance Tolerance | ±20% at 120Hz, 20°C | | | | | | | |
| Leakage Current | After 1 minute's application of rated voltage, leakage current is not more than 0.04CV+100 (µA). | | | | | | | |
| | Measurement frequency : 120Hz at 20°C | | | | | | | |
| Tangent of loss angle (tan δ) | Rated voltage (V) | 400 | 420 | | 450 | | | |
| | tan δ (MAX.) | 0.15 | 0.20 | 0.2 | 0 | | | |
| | Measurement frequency : 120Hz | | | | | | | |
| Stability at Low Temperature | Rated vol | tage (V) | 400 | 420 | 450 | | | |
| | Impedance ratio ZT / Z20 (| MAX.) Z-25°C / Z+2 | 0°C 8 | 8 | 8 | | | |
| | | | | | | | | |
| | The specifications listed at right shall be met when the capacitors are restored to 20°C after D.C. bias plus rated ripple current is applied for 2000 hours at 105°C, the peak | | | | Capacitan | ce change | Within ±20% of the initial capacitance value | |
| Endurance | | | | | | 200% or less than the initial specified value | | |
| | voltage shall not exceed the rated voltage. | | | | | Less than or equal to the initial specified value | | |
| | Totago originato oxecos dio ratea rotago. | | | | | | | |
| Shelf Life | After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above. | | | | | | | |
| Marking | Printed with white color letter on dark brown sleeve. | | | | | | | |

Radial Lead Type



| (mm) | | | | | | | | |
|------|-----|------|-----|-----|--|--|--|--|
| φD | 10 | 12.5 | 16 | 18 | | | | |
| Р | 5.0 | 5.0 | 7.5 | 7.5 | | | | |
| φd | 0.6 | 0.8 | 0.8 | 0.8 | | | | |
| | | | • | | | | | |

• Please refer to page 20 about the end seal configulation.

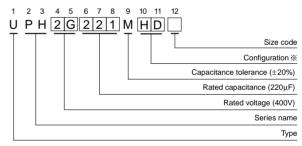
Dimensions

| V | | 400 | | 420 | | 450 | | |
|-----|------|-----------------------------|-----------|-----------|------------------|------------------------|------------------|-----|
| Cap | Code | 2G | | W6 | | 2W | | |
| 27 | 270 | | | | | 10×31.5 | 300 | |
| 33 | 330 | 10×31.5 | 330 | 10×31.5 | 320 | | | |
| 39 | 390 | | | | | | | |
| 47 | 470 | | | | | 12.5×31.5 | 430 | |
| 56 | 560 | 12.5×31.5 | 470 | 12.5×31.5 | 460 | 12.5×35.5 | 490 | |
| 68 | 680 | 12.5×33.5 | 540 | | | 12.5×40 | 560 | |
| 82 | 820 | 12.5×40 | 620 | | | 16×31.5 | 640 | |
| 100 | 101 | 16×31.5 | 710 | 16×31.5 | 690 | 16×35.5 | 730 | |
| 120 | 121 | 121 16×35.5 | 800 | 16×35.5 | 780 | 16×40 | 820 | |
| 120 | 121 | 121 | 10 / 33.3 | 800 | ▲ 18×31.5 | 800 | ▲ 18×31.5 | 800 |
| 450 | 151 | 1 16×40 920 ▲18×31.5 890 | 920 | 18×35.5 | 920 | 18×40 | 970 | |
| 150 | | | 890 | | | | | |
| 180 | 181 | 18×40 | 1060 | 18×40 | 1040 | 18×46 | 1090 | |
| 220 | 221 | 18×46 | 1200 | | | Case size | Rated | |
| 220 | 221 | 10,740 | 1200 | | | $\phi D \times L (mm)$ | ripple | |

Rated ripple current (mArms) at 105°C 120Hz

▲: In this case, ⑤ will be put at 12th digit of type numbering system.

Type numbering system (Example : $400V 220\mu F$)



%Configuration

| φD | Pb-free leadwire Pb-free PET sleeve | | |
|------------|-------------------------------------|--|--|
| 10 | PD | | |
| 12.5 to 18 | HD | | |

• Frequency coefficient of rated ripple current

| Fre | equency | 60Hz | 120Hz | 500Hz | 1kHz | 10kHz or more |
|-----|-----------|------|-------|-------|------|---------------|
| Co | efficient | 0.80 | 1.00 | 1.25 | 1.40 | 1.50 |

Please refer to page 20, 21, 22 about the formed or taped product spec. Please refer to page 4 for the minimum order quantity.