

UXS Series (105°C 5000H)

- Compliant to the RoHS directive
- High ripple current & Long life design
- For Home Appliance, Audio Amplifier, Frequency inverter, Vehicle Power Supply Module, Smart Meters, Medical Power Supply...



◆ SPECIFICATIONS

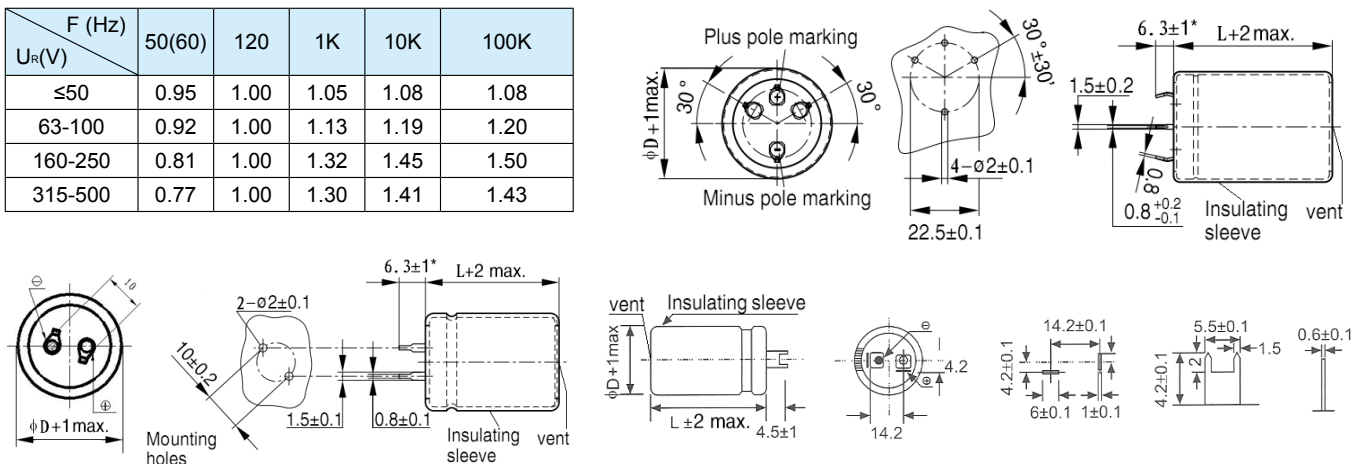
| Item | Performance Characteristics | | | | | | | |
|---|---|--|------|------|--------------|--------|----------|---------|
| Operating range | -40°C~+105°C | | | | -25°C~+105°C | | | |
| Rated voltage range | 10V~100V | | | | 160V~450V | | | |
| Capacitance tolerance | ±20% (20°C, 120Hz) | | | | | | | |
| Leakage current | I≤0.01CV(µA) or 1.5mA (Whichever is smaller) (20°C, after 5 minutes) C=Nominal capacitance(µF), V=Rated voltage(V) | | | | | | | |
| Dissipation factor (20°C, 120Hz) | UR(V) | 10 | 16 | 25 | 35 | 50 | 63 ~ 400 | 450 |
| | tanδ | 0.50 | 0.40 | 0.30 | 0.25 | 0.20 | 0.15 | 0.20 |
| Stability at Low Temperature (Impedance ratio at 120Hz) | UR(V) | 10 ~ 16 | 25 | 35 | 50~63 | 80~100 | 160~250 | 315~450 |
| | Z(-25°C)/Z(+20°C) | 4 | 3 | 3 | 2 | | 4 | 8 |
| | Z(-40°C)/Z(+20°C) | 15 | 10 | 8 | 6 | 5 | - | |
| Load Life | After applying rated voltage with specified ripple current for 5000 hours at 105°C (the peak voltage shall not exceed the rated voltage), and then restored for 24 hours, capacitor shall meet the following requirement: | | | | | | | |
| | Capacitance change | Within ±20% of the initial value. | | | | | | |
| | Dissipation factor | Not more than 200% of the initial specified value. | | | | | | |
| | Leakage current | Not more than the initial specified value. | | | | | | |
| Shelf Life | After storing for 1000 hours at 105°C, UR to be applied for 30 minutes and then restored for 24 hours, capacitor shall meet the following requirement: | | | | | | | |
| | Capacitance change | Within ±15% of the initial value. | | | | | | |
| | Dissipation factor | Not more than 150% of the initial specified value. | | | | | | |
| | Leakage current | Not more than the initial specified value. | | | | | | |
| Standard | JIS C 5101-4 | | | | | | | |

◆ Coefficient of rated ripple current

| UR(V) | F (Hz) | | | | |
|---------|--------|------|------|------|------|
| | 50(60) | 120 | 1K | 10K | 100K |
| ≤50 | 0.95 | 1.00 | 1.05 | 1.08 | 1.08 |
| 63-100 | 0.92 | 1.00 | 1.13 | 1.19 | 1.20 |
| 160-250 | 0.81 | 1.00 | 1.32 | 1.45 | 1.50 |
| 315-500 | 0.77 | 1.00 | 1.30 | 1.41 | 1.43 |

◆ Drawing

Unit:mm



◆ Shorter terminal is: $4.0 \pm 0.5 \text{ mm}$

◆ STANDARD RATING

| Rated Voltage code (V.DC) | Capacitance (μF) | Case size ΦD×L(mm) | tanδ 20°C, 120Hz | Ripple current 105°C, 120Hz (Arms) | Max ESR 20°C, 120Hz(mΩ) | ESR(typ.) 20°C, 120Hz(mΩ) | Part number |
|---------------------------|------------------|--------------------|---------------------|--|----------------------------|------------------------------|----------------|
| 10 1A (16) | 12000 | 22×30 | 0.50 | 1.95 | 50 | 40 | UXS1A123KP030M |
| | 15000 | 25×25 | 0.50 | 2.17 | 40 | 30 | UXS1A153KQ025M |
| | 18000 | 25×30 | 0.50 | 2.45 | 32 | 26 | UXS1A183KQ030M |
| | 22000 | 25×35 | 0.50 | 2.81 | 25 | 20 | UXS1A223KQ035M |
| | 33000 | 30×30 | 0.50 | 3.63 | 18 | 13 | UXS1A333KR030M |
| | 39000 | 30×35 | 0.50 | 4.06 | 15 | 11 | UXS1A393KR035M |
| | 47000 | 35×40 | 0.50 | 4.14 | 12 | 9.1 | UXS1A473KR040M |
| | 68000 | 35×50 | 0.50 | 6.05 | 8 | 6.3 | UXS1A683KS040M |
| | 82000 | 35×50 | 0.50 | 7.39 | 7 | 5.2 | UXS1A823KS045M |
| 16 1C (25) | 6800 | 22*25 | 0.40 | 1.79 | 100 | 70 | UXS1C682KP025M |
| | 10000 | 22*30 | 0.40 | 2.20 | 70 | 50 | UXS1C103KP030M |
| | | 25*25 | 0.40 | 2.20 | 70 | 50 | UXS1C103KQ025M |
| | 12000 | 22*35 | 0.40 | 2.70 | 60 | 40 | UXS1C123KP035M |
| | | 25*30 | 0.40 | 2.70 | 60 | 40 | UXS1C123KQ030M |
| | | 30*25 | 0.40 | 2.70 | 60 | 40 | UXS1C123KR025M |
| | 15000 | 22*40 | 0.40 | 2.97 | 45 | 35 | UXS1C153KP040M |
| | | 25*35 | 0.40 | 2.97 | 45 | 35 | UXS1C153KQ035M |
| | 18000 | 22*45 | 0.40 | 3.41 | 40 | 30 | UXS1C183KP045M |
| | | 25*40 | 0.40 | 3.41 | 40 | 30 | UXS1C183KQ040M |
| | | 30*30 | 0.40 | 3.41 | 40 | 30 | UXS1C183KR030M |
| | | 35*25 | 0.40 | 3.41 | 40 | 30 | UXS1C183KS025M |
| | 22000 | 25*45 | 0.40 | 3.75 | 30 | 22 | UXS1C223KQ045M |
| | | 30*35 | 0.40 | 3.75 | 30 | 22 | UXS1C223KR035M |
| | 27000 | 25*50 | 0.40 | 4.21 | 25 | 20 | UXS1C273KQ050M |
| | | 30*40 | 0.40 | 4.21 | 25 | 20 | UXS1C273KR040M |
| | | 35*30 | 0.40 | 4.21 | 25 | 20 | UXS1C273KS030M |
| | 33000 | 30*45 | 0.40 | 4.74 | 20 | 15 | UXS1C333KR045M |
| | | 35*35 | 0.40 | 4.74 | 20 | 15 | UXS1C333KS035M |
| | 39000 | 30*50 | 0.40 | 5.29 | 20 | 15 | UXS1C393KR050M |
| 35*40 | | 0.40 | 5.29 | 20 | 15 | UXS1C393KS040M | |
| 47000 | 35*45 | 0.40 | 5.97 | 15 | 12 | UXS1C473KS045M | |
| 25 1E (35) | 4700 | 22*25 | 0.30 | 1.76 | 120 | 80 | UXS1E472KP025M |
| | 6800 | 22*30 | 0.30 | 2.15 | 80 | 55 | UXS1E682KP030M |
| | | 25*25 | 0.30 | 2.15 | 80 | 55 | UXS1E682KQ025M |
| | 8200 | 22*35 | 0.30 | 2.53 | 65 | 45 | UXS1E822KP035M |
| | | 25*30 | 0.30 | 2.53 | 65 | 45 | UXS1E822KQ030M |
| | | 30*25 | 0.30 | 2.53 | 65 | 45 | UXS1E822KR025M |
| | 10000 | 22*40 | 0.30 | 2.75 | 55 | 40 | UXS1E103KP040M |
| | | 25*35 | 0.30 | 2.75 | 55 | 40 | UXS1E103KQ035M |
| | 12000 | 25*40 | 0.30 | 3.09 | 45 | 35 | UXS1E123KQ040M |
| | | 30*30 | 0.30 | 3.09 | 45 | 35 | UXS1E123KR030M |
| | | 35*25 | 0.30 | 3.09 | 45 | 35 | UXS1E123KS025M |
| | 15000 | 25*45 | 0.30 | 3.56 | 35 | 25 | UXS1E153KQ045M |
| | | 30*35 | 0.30 | 3.56 | 35 | 25 | UXS1E153KR035M |
| | | 35*30 | 0.30 | 3.56 | 35 | 25 | UXS1E153KS030M |
| | 18000 | 25*50 | 0.30 | 3.92 | 30 | 22 | UXS1E183KQ050M |
| | | 30*40 | 0.30 | 3.92 | 30 | 22 | UXS1E183KR040M |
| | 22000 | 30*45 | 0.30 | 4.71 | 25 | 20 | UXS1E223KR045M |
| | | 35*35 | 0.30 | 4.71 | 25 | 20 | UXS1E223KS035M |
| | 27000 | 35*45 | 0.30 | 5.28 | 20 | 15 | UXS1E273KS045M |
| | 33000 | 35*50 | 0.30 | 5.94 | 20 | 12 | UXS1E333KS050M |
| 35 1V (50) | 3300 | 22*25 | 0.25 | 1.60 | 150 | 100 | UXS1V332KP025M |
| | 4700 | 25*25 | 0.25 | 2.06 | 100 | 70 | UXS1V472KQ025M |
| | | 22*40 | 0.25 | 2.55 | 70 | 50 | UXS1V682KP040M |
| | 6800 | 25*35 | 0.25 | 2.55 | 70 | 50 | UXS1V682KQ035M |

◆ STANDARD RATING

| Rated Voltage code (V.DC) | Capacitance (μF) | Case size ΦD×L(mm) | tanδ 20°C, 120Hz | Ripple current 105°C, 120Hz (Arms) | Max ESR 20°C, 120Hz(mΩ) | ESR(typ.) 20°C, 120Hz(mΩ) | Part number |
|---------------------------|------------------|--------------------|------------------|------------------------------------|-------------------------|---------------------------|----------------|
| 35 1V (50) | 10000 | 25*45 | 0.25 | 3.23 | 50 | 35 | UXS1V103KQ045M |
| | | 30*35 | 0.25 | 3.23 | 50 | 35 | UXS1V103KR035M |
| | 12000 | 25*50 | 0.25 | 3.82 | 40 | 30 | UXS1V123KQ050M |
| | | 35*30 | 0.25 | 3.82 | 40 | 30 | UXS1V123KS030M |
| | 15000 | 30*45 | 0.25 | 4.13 | 35 | 25 | UXS1V153KR045M |
| | | 35*35 | 0.25 | 4.13 | 35 | 25 | UXS1V153KS035M |
| 18000 | 35*40 | 0.25 | 4.60 | 30 | 20 | UXS1V183KS040M | |
| 22000 | 35*50 | 0.25 | 5.43 | 25 | 16 | UXS1V223KS050M | |
| 50 1H (63) | 1800 | 22*25 | 0.20 | 1.46 | 225 | 160 | UXS1H182KP025M |
| | 2200 | 22*30 | 0.20 | 1.61 | 185 | 130 | UXS1H222KP030M |
| | 2700 | 25*25 | 0.20 | 1.89 | 150 | 110 | UXS1H272KQ025M |
| | 3300 | 22*35 | 0.20 | 2.12 | 125 | 90 | UXS1H332KP035M |
| | | 25*30 | 0.20 | 2.12 | 125 | 90 | UXS1H332KQ030M |
| | 3900 | 25*35 | 0.20 | 2.53 | 110 | 75 | UXS1H392KQ035M |
| | | 30*25 | 0.20 | 2.53 | 110 | 75 | UXS1H392KR025M |
| | 4700 | 30*30 | 0.20 | 2.95 | 90 | 60 | UXS1H472KR030M |
| | | 35*25 | 0.20 | 2.95 | 90 | 60 | UXS1H472KS025M |
| | 5600 | 22*50 | 0.20 | 2.26 | 80 | 50 | UXS1H562KP050M |
| | | 25*40 | 0.20 | 2.26 | 80 | 50 | UXS1H562KQ040M |
| | | 30*35 | 0.20 | 2.26 | 80 | 50 | UXS1H562KR035M |
| | 6800 | 30*40 | 0.20 | 3.74 | 60 | 45 | UXS1H682KR040M |
| | | 35*30 | 0.20 | 3.74 | 60 | 45 | UXS1H682KS030M |
| | 8200 | 30*45 | 0.20 | 4.09 | 50 | 35 | UXS1H822KR045M |
| | | 35*35 | 0.20 | 4.09 | 50 | 35 | UXS1H822KS035M |
| 10000 | 30*50 | 0.20 | 4.51 | 42 | 30 | UXS1H103KR050M | |
| | 35*40 | 0.20 | 4.51 | 42 | 30 | UXS1H103KS040M | |
| 12000 | 35*45 | 0.20 | 5.04 | 35 | 25 | UXS1H123KS045M | |
| 63 1J (80) | 1200 | 22*25 | 0.15 | 1.40 | 225 | 160 | UXS1J122KP025M |
| | 1800 | 22*30 | 0.15 | 1.68 | 150 | 110 | UXS1J182KP030M |
| | | 25*25 | 0.15 | 1.68 | 150 | 110 | UXS1J182KQ025M |
| | 2200 | 22*35 | 0.15 | 1.91 | 125 | 90 | UXS1J222KP035M |
| | | 25*30 | 0.15 | 1.91 | 125 | 90 | UXS1J222KQ030M |
| | 2700 | 22*40 | 0.15 | 2.20 | 100 | 70 | UXS1J272KP040M |
| | | 25*35 | 0.15 | 2.20 | 100 | 70 | UXS1J272KQ035M |
| | | 30*25 | 0.15 | 2.20 | 100 | 70 | UXS1J272KR025M |
| | 3300 | 25*40 | 0.15 | 2.66 | 80 | 60 | UXS1J332KQ040M |
| | | 30*30 | 0.15 | 2.66 | 80 | 60 | UXS1J332KR030M |
| | | 35*25 | 0.15 | 2.66 | 80 | 60 | UXS1J332KS025M |
| | 3900 | 25*45 | 0.15 | 2.81 | 70 | 50 | UXS1J392KQ045M |
| | | 30*35 | 0.15 | 2.81 | 70 | 50 | UXS1J392KR035M |
| | 4700 | 25*50 | 0.15 | 3.19 | 60 | 40 | UXS1J472KQ050M |
| | | 30*40 | 0.15 | 3.19 | 60 | 40 | UXS1J472KR040M |
| | | 35*30 | 0.15 | 3.19 | 60 | 40 | UXS1J472KS030M |
| 5600 | 30*45 | 0.15 | 3.62 | 50 | 35 | UXS1J562KR045M | |
| | 35*35 | 0.15 | 3.62 | 50 | 35 | UXS1J562KS035M | |
| 6800 | 30*50 | 0.15 | 4.11 | 40 | 30 | UXS1J682KR050M | |
| | 35*40 | 0.15 | 4.11 | 40 | 30 | UXS1J682KS040M | |
| 8200 | 35*45 | 0.15 | 4.60 | 35 | 25 | UXS1J822KS045M | |
| 10000 | 35*50 | 0.15 | 5.17 | 30 | 20 | UXS1J103KS050M | |
| 80 1K (100) | 1000 | 22*25 | 0.15 | 1.38 | 270 | 190 | UXS1K102KP025M |
| | 1200 | 22*30 | 0.15 | 1.54 | 230 | 160 | UXS1K122KP030M |
| | | 25*25 | 0.15 | 1.54 | 230 | 160 | UXS1K122KQ025M |
| | 1500 | 22*35 | 0.15 | 1.79 | 180 | 130 | UXS1K152KP035M |
| | | 25*30 | 0.15 | 1.79 | 180 | 130 | UXS1K152KQ030M |
| | 1800 | 22*40 | 0.15 | 2.02 | 150 | 110 | UXS1K182KP040M |
| 30*25 | | 0.15 | 2.02 | 150 | 110 | UXS1K182KR025M | |

◆ STANDARD RATING

| Rated Voltage code (V.DC) | Capacitance (μF) | Case size ΦD×L(mm) | tanδ 20°C, 120Hz | Ripple current 105°C, 120Hz (Arms) | Max ESR 20°C, 120Hz(mΩ) | ESR(typ.) 20°C, 120Hz(mΩ) | Part number |
|---------------------------|------------------|--------------------|------------------|------------------------------------|-------------------------|---------------------------|----------------|
| 80 1K (100) | 2200 | 25*35 | 0.15 | 2.40 | 125 | 90 | UXS1K222KQ035M |
| | | 30*30 | 0.15 | 2.40 | 125 | 90 | UXS1K222KR030M |
| | | 35*25 | 0.15 | 2.40 | 125 | 90 | UXS1K222KS025M |
| | 2700 | 25*45 | 0.15 | 2.68 | 100 | 70 | UXS1K272KQ045M |
| | | 30*35 | 0.15 | 2.68 | 100 | 70 | UXS1K272KR035M |
| | 3300 | 25*50 | 0.15 | 3.07 | 80 | 60 | UXS1K332KQ050M |
| | | 30*40 | 0.15 | 3.07 | 80 | 60 | UXS1K332KR040M |
| | | 35*30 | 0.15 | 3.07 | 80 | 60 | UXS1K332KS030M |
| | 3900 | 30*45 | 0.15 | 3.43 | 70 | 50 | UXS1K392KR045M |
| | | 35*35 | 0.15 | 3.43 | 70 | 50 | UXS1K392KS035M |
| | 4700 | 30*50 | 0.15 | 3.93 | 60 | 40 | UXS1K472KR050M |
| | | 35*40 | 0.15 | 3.93 | 60 | 40 | UXS1K472KS040M |
| 5600 | 35*45 | 0.15 | 4.27 | 50 | 35 | UXS1K562KS045M | |
| 6800 | 35*50 | 0.15 | 4.62 | 40 | 30 | UXS1K682KS050M | |
| 100 2A (125) | 560 | 22*25 | 0.15 | 1.19 | 480 | 340 | UXS2A561KP025M |
| | 820 | 22*30 | 0.15 | 1.50 | 330 | 230 | UXS2A821KP030M |
| | | 25*25 | 0.15 | 1.50 | 330 | 230 | UXS2A821KQ025M |
| | 1000 | 22*35 | 0.15 | 1.72 | 270 | 190 | UXS2A102KP035M |
| | | 25*30 | 0.15 | 1.72 | 270 | 190 | UXS2A102KQ030M |
| | 1200 | 22*40 | 0.15 | 1.94 | 230 | 160 | UXS2A122KP040M |
| | | 25*35 | 0.15 | 1.94 | 230 | 160 | UXS2A122KQ035M |
| | | 30*25 | 0.15 | 1.94 | 230 | 160 | UXS2A122KR025M |
| | 1500 | 25*40 | 0.15 | 2.29 | 180 | 130 | UXS2A152KQ040M |
| | | 30*30 | 0.15 | 2.29 | 180 | 130 | UXS2A152KR030M |
| | | 35*25 | 0.15 | 2.29 | 180 | 130 | UXS2A152KS025M |
| | 1800 | 25*45 | 0.15 | 2.52 | 150 | 110 | UXS2A182KQ045M |
| | | 30*35 | 0.15 | 2.52 | 150 | 110 | UXS2A182KR035M |
| | 2200 | 25*50 | 0.15 | 2.97 | 125 | 85 | UXS2A222KQ050M |
| | | 30*40 | 0.15 | 2.97 | 125 | 85 | UXS2A222KR040M |
| | | 35*30 | 0.15 | 2.97 | 125 | 85 | UXS2A222KS030M |
| | 2700 | 30*45 | 0.15 | 3.25 | 100 | 70 | UXS2A272KR045M |
| | | 35*35 | 0.15 | 3.25 | 100 | 70 | UXS2A272KS035M |
| | 3300 | 30*50 | 0.15 | 3.66 | 80 | 60 | UXS2A332KR050M |
| | | 35*40 | 0.15 | 3.66 | 80 | 60 | UXS2A332KS040M |
| | 3900 | 35*45 | 0.15 | 4.07 | 70 | 50 | UXS2A392KS045M |
| 4700 | 35*50 | 0.15 | 4.58 | 60 | 40 | UXS2A472KS050M | |
| 160 2C (200) | 330 | 22*25 | 0.15 | 1.38 | 610 | 430 | UXS2C331KP025M |
| | 390 | 22*30 | 0.15 | 1.60 | 510 | 360 | UXS2C391KP030M |
| | 470 | 22*35 | 0.15 | 1.71 | 430 | 300 | UXS2C471KP035M |
| | | 25*25 | 0.15 | 1.71 | 430 | 300 | UXS2C471KQ025M |
| | 560 | 22*40 | 0.15 | 1.91 | 355 | 250 | UXS2C561KP040M |
| | | 25*30 | 0.15 | 1.91 | 355 | 250 | UXS2C561KQ030M |
| | 680 | 22*45 | 0.15 | 2.09 | 300 | 210 | UXS2C681KP045M |
| | | 25*35 | 0.15 | 2.09 | 300 | 210 | UXS2C681KQ035M |
| | | 30*25 | 0.15 | 2.09 | 300 | 210 | UXS2C681KR025M |
| | 820 | 25*40 | 0.15 | 2.31 | 245 | 170 | UXS2C821KQ040M |
| | | 30*30 | 0.15 | 2.31 | 245 | 170 | UXS2C821KR030M |
| | 1000 | 25*45 | 0.15 | 2.75 | 200 | 140 | UXS2C102KQ045M |
| | | 30*35 | 0.15 | 2.75 | 200 | 140 | UXS2C102KR035M |
| | 1200 | 25*50 | 0.15 | 3.25 | 170 | 120 | UXS2C122KQ050M |
| | | 30*40 | 0.15 | 3.25 | 170 | 120 | UXS2C122KR040M |
| | | 35*30 | 0.15 | 3.25 | 170 | 120 | UXS2C122KS030M |
| | 1500 | 30*45 | 0.15 | 3.52 | 135 | 95 | UXS2C152KR045M |
| | | 35*35 | 0.15 | 3.52 | 135 | 95 | UXS2C152KS035M |
| 1800 | 35*45 | 0.15 | 3.98 | 120 | 80 | UXS2C182KS045M | |
| 2200 | 35*50 | 0.15 | 4.48 | 100 | 70 | UXS2C222KS050M | |

◆ STANDARD RATING

| Rated Voltage code (V.DC) | Capacitance (μF) | Case size ΦD×L(mm) | tanδ 20°C, 120Hz | Ripple current 105°C, 120Hz (Arms) | Max ESR 20°C, 120Hz(mΩ) | ESR(typ.) 20°C, 120Hz(mΩ) | Part number |
|---------------------------|------------------|--------------------|---------------------|--|----------------------------|------------------------------|----------------|
| 200 2D (250) | 220 | 22*25 | 0.15 | 1.21 | 910 | 640 | UXS2D221KP025M |
| | 270 | 22*30 | 0.15 | 1.33 | 740 | 520 | UXS2D271KP030M |
| | 330 | 25*25 | 0.15 | 1.51 | 610 | 430 | UXS2D331KQ025M |
| | 390 | 22*35 | 0.15 | 1.56 | 510 | 360 | UXS2D391KP035M |
| | 470 | 22*40 | 0.15 | 1.74 | 425 | 300 | UXS2D471KP040M |
| | | 25*30 | 0.15 | 1.74 | 425 | 300 | UXS2D471KQ030M |
| | | 30*25 | 0.15 | 1.74 | 425 | 300 | UXS2D471KR025M |
| | 560 | 22*45 | 0.15 | 1.93 | 355 | 250 | UXS2D561KP045M |
| | | 25*35 | 0.15 | 1.93 | 355 | 250 | UXS2D561KQ035M |
| | 680 | 22*50 | 0.15 | 2.13 | 300 | 210 | UXS2D681KP050M |
| | | 25*40 | 0.15 | 2.13 | 300 | 210 | UXS2D681KQ040M |
| | | 30*30 | 0.15 | 2.13 | 300 | 210 | UXS2D681KR030M |
| | 820 | 25*50 | 0.15 | 2.49 | 245 | 170 | UXS2D821KQ050M |
| | | 30*35 | 0.15 | 2.49 | 245 | 170 | UXS2D821KR035M |
| | | 35*30 | 0.15 | 2.49 | 245 | 170 | UXS2D821KS030M |
| | 1000 | 30*45 | 0.15 | 2.93 | 200 | 140 | UXS2D102KR045M |
| | | 35*35 | 0.15 | 2.93 | 200 | 140 | UXS2D102KS035M |
| | 1200 | 30*50 | 0.15 | 3.36 | 170 | 120 | UXS2D122KR050M |
| 35*40 | | 0.15 | 3.36 | 170 | 120 | UXS2D122KS040M | |
| 1500 | 35*45 | 0.15 | 3.80 | 140 | 100 | UXS2D152KS045M | |
| 1800 | 35*50 | 0.15 | 4.24 | 120 | 80 | UXS2D182KS050M | |
| 250 2E (300) | 180 | 22*25 | 0.15 | 1.03 | 1110 | 780 | UXS2E181KP025M |
| | 220 | 22*30 | 0.15 | 1.22 | 910 | 640 | UXS2E221KP030M |
| | | 25*25 | 0.15 | 1.22 | 910 | 640 | UXS2E221KQ025M |
| | 270 | 22*35 | 0.15 | 1.27 | 740 | 520 | UXS2E271KP035M |
| | 330 | 22*40 | 0.15 | 1.44 | 610 | 430 | UXS2E331KP040M |
| | | 25*30 | 0.15 | 1.44 | 610 | 430 | UXS2E331KQ030M |
| | | 30*25 | 0.15 | 1.44 | 610 | 430 | UXS2E331KR025M |
| | 390 | 22*45 | 0.15 | 1.65 | 510 | 360 | UXS2E391KP045M |
| | | 25*35 | 0.15 | 1.65 | 510 | 360 | UXS2E391KQ035M |
| | 470 | 25*40 | 0.15 | 1.77 | 430 | 300 | UXS2E471KQ040M |
| | | 30*30 | 0.15 | 1.77 | 430 | 300 | UXS2E471KR030M |
| | | 35*25 | 0.15 | 1.77 | 430 | 300 | UXS2E471KS025M |
| | 560 | 25*45 | 0.15 | 2.06 | 360 | 250 | UXS2E561KQ045M |
| | | 30*35 | 0.15 | 2.06 | 360 | 250 | UXS2E561KR035M |
| | | 35*30 | 0.15 | 2.06 | 360 | 250 | UXS2E561KS030M |
| | 680 | 25*50 | 0.15 | 2.45 | 300 | 210 | UXS2E681KQ050M |
| | | 30*40 | 0.15 | 2.45 | 300 | 210 | UXS2E681KR040M |
| | 820 | 30*45 | 0.15 | 2.59 | 245 | 170 | UXS2E821KR045M |
| 35*35 | | 0.15 | 2.59 | 245 | 170 | UXS2E821KS035M | |
| 1000 | 30*50 | 0.15 | 2.97 | 200 | 140 | UXS2E102KR050M | |
| | 35*40 | 0.15 | 2.97 | 200 | 140 | UXS2E102KS040M | |
| 1200 | 35*45 | 0.15 | 3.36 | 170 | 120 | UXS2E122KS045M | |
| 1500 | 35*50 | 0.15 | 3.94 | 170 | 120 | UXS2E152KS050M | |
| 315 2F (365) | 100 | 22*25 | 0.15 | 0.77 | 2000 | 1600 | UXS2F101KP025M |
| | 120 | 22*25 | 0.15 | 0.87 | 2000 | 1600 | UXS2F121KP025M |
| | 150 | 22*30 | 0.15 | 0.94 | 1330 | 1100 | UXS2F151KP030M |
| | | 25*25 | 0.15 | 0.94 | 1330 | 1100 | UXS2F151KQ025M |
| | 180 | 22*35 | 0.15 | 1.05 | 1110 | 890 | UXS2F181KP035M |
| | | 25*30 | 0.15 | 1.05 | 1110 | 890 | UXS2F181KQ030M |
| | 220 | 22*40 | 0.15 | 1.27 | 910 | 730 | UXS2F221KP040M |
| | | 25*35 | 0.15 | 1.27 | 910 | 730 | UXS2F221KQ035M |
| | 270 | 22*45 | 0.15 | 1.45 | 740 | 600 | UXS2F271KP045M |
| 25*40 | | 0.15 | 1.45 | 740 | 600 | UXS2F271KQ040M | |
| 30*30 | | 0.15 | 1.45 | 740 | 600 | UXS2F271KR030M | |
| | 35*25 | 0.15 | 1.45 | 740 | 600 | UXS2F271KS025M | |

◆ STANDARD RATING

| Rated Voltage code (V.DC) | Capacitance (μF) | Case size ΦD×L(mm) | tanδ 20°C, 120Hz | Ripple current 105°C, 120Hz (Arms) | Max ESR 20°C, 120Hz(mΩ) | ESR(typ.) 20°C, 120Hz(mΩ) | Part number |
|---------------------------|--------------------|--------------------|------------------|------------------------------------|-------------------------|---------------------------|----------------|
| 315 2F (365) | 330 | 25*45 | 0.15 | 1.57 | 610 | 490 | UXS2F331KQ045M |
| | | 30*35 | 0.15 | 1.57 | 610 | 490 | UXS2F331KR035M |
| | 390 | 30*40 | 0.15 | 1.76 | 520 | 410 | UXS2F391KR040M |
| | | 35*30 | 0.15 | 1.76 | 520 | 410 | UXS2F391KS030M |
| | 470 | 30*45 | 0.15 | 2.00 | 430 | 345 | UXS2F471KR045M |
| | | 35*35 | 0.15 | 2.00 | 430 | 345 | UXS2F471KS035M |
| | 560 | 30*50 | 0.15 | 2.23 | 360 | 290 | UXS2F561KR050M |
| | | 35*40 | 0.15 | 2.23 | 360 | 290 | UXS2F561KS040M |
| | 680 | 35*45 | 0.15 | 2.59 | 300 | 240 | UXS2F681KS045M |
| | 350 2V (400) | 82 | 22*30 | 0.15 | 0.66 | 2940 | 1620 |
| 100 | | 25*25 | 0.15 | 0.77 | 1995 | 1100 | UXS2V101KQ025M |
| 120 | | 22*35 | 0.15 | 0.86 | 1660 | 920 | UXS2V121KP035M |
| 150 | | 22*40 | 0.15 | 0.94 | 1330 | 730 | UXS2V151KP040M |
| 180 | | 22*45 | 0.15 | 1.05 | 1110 | 610 | UXS2V181KP045M |
| | | 25*35 | 0.15 | 1.05 | 1110 | 610 | UXS2V181KQ035M |
| | | 30*30 | 0.15 | 1.05 | 1110 | 610 | UXS2V181KR030M |
| 220 | | 22*50 | 0.15 | 1.16 | 910 | 500 | UXS2V221KP050M |
| | | 25*40 | 0.15 | 1.16 | 910 | 500 | UXS2V221KQ040M |
| 270 | | 25*50 | 0.15 | 1.38 | 740 | 410 | UXS2V271KQ050M |
| | | 30*35 | 0.15 | 1.38 | 740 | 410 | UXS2V271KR035M |
| | | 35*30 | 0.15 | 1.38 | 740 | 410 | UXS2V271KS030M |
| 330 | | 30*45 | 0.15 | 1.59 | 610 | 340 | UXS2V331KR045M |
| | | 35*35 | 0.15 | 1.59 | 610 | 340 | UXS2V331KS035M |
| 390 | | 30*50 | 0.15 | 1.77 | 510 | 285 | UXS2V391KR050M |
| | | 35*40 | 0.15 | 1.77 | 510 | 285 | UXS2V391KS040M |
| 470 | 35*45 | 0.15 | 2.03 | 425 | 240 | UXS2V471KS045M | |
| 560 | 35*50 | 0.15 | 2.29 | 355 | 200 | UXS2V561KS050M | |
| 400 2G (450) | 68 | 22*25 | 0.15 | 0.55 | 2930 | 1525 | UXS2G680KP025M |
| | 82 | 25*25 | 0.15 | 0.72 | 2430 | 1265 | UXS2G820KQ025M |
| | 100 | 22*30 | 0.15 | 0.88 | 2000 | 1035 | UXS2G101KP030M |
| | 120 | 22*35 | 0.15 | 0.97 | 1660 | 865 | UXS2G121KP035M |
| | | 25*30 | 0.15 | 0.97 | 1660 | 865 | UXS2G121KQ030M |
| | | 30*25 | 0.15 | 0.97 | 1660 | 865 | UXS2G121KR025M |
| | 150 | 22*40 | 0.15 | 1.05 | 1330 | 690 | UXS2G151KP040M |
| | | 25*35 | 0.15 | 1.05 | 1330 | 690 | UXS2G151KQ035M |
| | 180 | 25*40 | 0.15 | 1.16 | 1110 | 575 | UXS2G181KQ040M |
| | | 30*30 | 0.15 | 1.16 | 1110 | 575 | UXS2G181KR030M |
| | | 35*25 | 0.15 | 1.16 | 1110 | 575 | UXS2G181KS025M |
| | 220 | 25*45 | 0.15 | 1.27 | 910 | 475 | UXS2G221KQ045M |
| | | 30*35 | 0.15 | 1.27 | 910 | 475 | UXS2G221KR035M |
| | 270 | 25*50 | 0.15 | 1.43 | 740 | 385 | UXS2G271KQ050M |
| | | 30*40 | 0.15 | 1.43 | 740 | 385 | UXS2G271KR040M |
| | | 35*30 | 0.15 | 1.43 | 740 | 385 | UXS2G271KS030M |
| | 330 | 30*45 | 0.15 | 1.62 | 610 | 315 | UXS2G331KR045M |
| | | 35*35 | 0.15 | 1.62 | 610 | 315 | UXS2G331KS035M |
| | 390 | 30*50 | 0.15 | 1.82 | 510 | 265 | UXS2G391KR050M |
| 35*40 | | 0.15 | 1.82 | 510 | 265 | UXS2G391KS040M | |
| 470 | 35*45 | 0.15 | 2.09 | 425 | 220 | UXS2G471KS045M | |
| 560 | 35*50 | 0.15 | 2.37 | 355 | 185 | UXS2G561KS050M | |
| 680 | 35*60 | 0.15 | 2.53 | 305 | 165 | UXS2G681KS060M | |
| 450 2W (500) | 56 | 22*30 | 0.20 | 0.64 | 4740 | 2370 | UXS2W560KP030M |
| | 68 | 22*30 | 0.20 | 0.73 | 3910 | 1960 | UXS2W680KP030M |
| | | 25*25 | 0.20 | 0.73 | 3910 | 1960 | UXS2W680KQ025M |
| | 82 | 22*35 | 0.20 | 0.94 | 3240 | 1620 | UXS2W820KP035M |
| | | 25*30 | 0.20 | 0.94 | 3240 | 1620 | UXS2W820KQ030M |

◆ STANDARD RATING

| Rated Voltage code (V.DC) | Capacitance (μF) | Case size ΦD×L(mm) | tanδ 20°C, 120Hz | Ripple current 105°C, 120Hz (Arms) | Max ESR 20°C, 120Hz(mΩ) | ESR(typ.) 20°C, 120Hz(mΩ) | Part number |
|---------------------------|------------------|--------------------|---------------------|--|----------------------------|------------------------------|----------------|
| 450 2W (500) | 100 | 22*40 | 0.20 | 1.16 | 2655 | 1330 | UXS2W101KP040M |
| | | 25*30 | 0.20 | 1.16 | 2655 | 1330 | UXS2W101KQ030M |
| | | 30*25 | 0.20 | 1.16 | 2655 | 1330 | UXS2W101KR025M |
| | 120 | 22*45 | 0.20 | 1.24 | 2215 | 1110 | UXS2W121KP045M |
| | | 25*35 | 0.20 | 1.24 | 2215 | 1110 | UXS2W121KQ035M |
| | 150 | 25*40 | 0.20 | 1.44 | 1770 | 885 | UXS2W151KQ040M |
| | | 30*30 | 0.20 | 1.44 | 1770 | 885 | UXS2W151KR030M |
| | | 35*25 | 0.20 | 1.44 | 1770 | 885 | UXS2W151KS025M |
| | 180 | 25*45 | 0.20 | 1.76 | 1475 | 740 | UXS2W181KQ045M |
| | | 30*35 | 0.20 | 1.76 | 1475 | 740 | UXS2W181KR035M |
| | 220 | 25*50 | 0.20 | 1.93 | 1210 | 610 | UXS2W221KQ050M |
| | | 30*40 | 0.20 | 1.93 | 1210 | 610 | UXS2W221KR040M |
| | | 35*30 | 0.20 | 1.93 | 1210 | 610 | UXS2W221KS030M |
| | 270 | 30*45 | 0.20 | 2.09 | 990 | 500 | UXS2W271KR045M |
| | | 35*35 | 0.20 | 2.09 | 990 | 500 | UXS2W271KS035M |
| | 330 | 30*50 | 0.20 | 2.42 | 810 | 410 | UXS2W331KR050M |
| | | 35*40 | 0.20 | 2.42 | 810 | 410 | UXS2W331KS040M |
| | 390 | 35*45 | 0.20 | 2.73 | 685 | 340 | UXS2W391KS045M |
| 470 | 35*50 | 0.20 | 3.04 | 565 | 290 | UXS2W471KS050M | |
| 560 | 35*50 | 0.20 | 3.19 | 360 | 320 | UXS2W561KS050M | |

- The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 10°C rise.
- When long life performance is required in actual use, the rms ripple current has to be reduced.