

NEWSurface Mount Type **SP-Cap**Series: **FD, CD, CX, UD, UE**

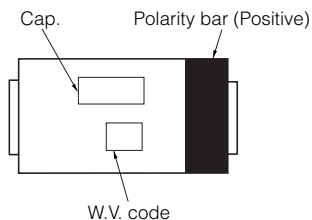
■ Features

- Low ESR
- Excellent Noise-absorbent Characteristics
- RoHS directive compliant

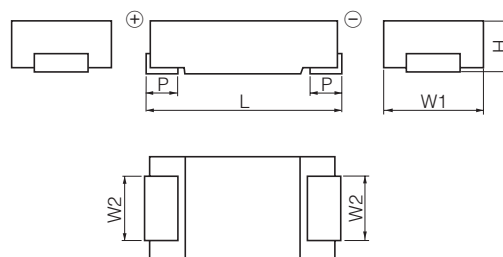
■ Specifications

| Series & Size Code | FD | CD | CX | UD | UE |
|-----------------------|---|---|--------------------|-----------------------------|-------------------|
| Category Temp. Range | -40 °C to +105 °C | | | | |
| Rated W.V.Range | 2 V.DC to 12.5 V.DC | 2 V.DC to 16 V.DC | 2 V.DC to 6.3 V.DC | 2 V.DC to 8 V.DC | 2 V.DC to 8 V.DC |
| Nominal Cap.Range | 15 μF to 68 μF | 2.2 μF to 220 μF | 100 μF to 470 μF | 68 μF to 470 μF | 100 μF to 560 μF |
| Capacitance Tolerance | ±20 % | | | | |
| DC Leakage Current | Reflow 240 °C : $I \leq 0.06 CV$ 2minutes (2 V.DC to 4 V.DC) $I \leq 0.04 CV$ or $3 \mu A$ 2 minutes (6.3 V.DC to 16 V.DC) (Whichever is greater) Reflow 260 °C : $I \leq 0.1 CV$ 2 minutes | | | | |
| $\tan \delta$ | ≤ 0.06 (120 Hz/+20 °C) | | | ≤ 0.10 (120 Hz/+20 °C) | |
| Surge Voltage | Rated Working Voltage \times 1.25 (15 °C to 35 °C) | | | | |
| Endurance | After applying rated working voltage for 1000 hours at 105 °C \pm 2 °C, and then being stabilized at +20 °C, capacitor shall meet the following limits. | | | | |
| | Capacitance change | $\pm 10\%$ of initial measured value | | | |
| | $\tan \delta$ | \leq Initial specified value | | | |
| | DC leakage current | \leq Initial specified value | | | |
| Moisture resistance | After storing for 500 hours at 60 °C, 90 % | | | | |
| | Capacitance change of initial measured value | 2, 2.5 V.DC | 4 V.DC | 6.3 V.DC | 8 V.DC to 16 V.DC |
| | | +70, -20 % | +60, -20 % | +50, -20 % | +40, -20 % |
| | $\tan \delta$ | $\leq 200\%$ of initial specified value | | | |
| DC leakage current | \leq Initial specified value | | | | |

■ Marking



■ Dimensions in mm(not to scale)



| Series & Size Code | $L \pm 0.2$ | $W1 \pm 0.2$ | $W2 \pm 0.1$ | H | $P \pm 0.3$ |
|--------------------|-------------|--------------|--------------|---------------|-------------|
| FD | 7.3 | 4.3 | 2.4 | 1.1 \pm 0.1 | 1.3 |
| CD | 7.3 | 4.3 | 2.4 | 1.8 \pm 0.1 | 1.3 |
| CX | 7.3 | 4.3 | 2.4 | 1.9 \pm 0.2 | 1.3 |
| UD | 7.3 | 4.3 | 2.4 | 2.8 \pm 0.2 | 1.3 |
| UE | 7.3 | 4.3 | 2.4 | 4.2 \pm 0.1 | 1.3 |

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

02 Dec. 2008

Standard Products

| Series & Size Code | Rated W.V. (V.DC) | Capacitance (±20%) (μF) | Case Size | | | Specification | | Part number | | Min. Packaging Q'ty (pcs) | |
|--------------------|-------------------|-------------------------|-----------|--------|--------|--|-----------------------|---|--|---------------------------|------|
| | | | L (mm) | W (mm) | H (mm) | Ripple current* ¹ (Ar.m.s.) | ESR* ² (Ω) | Reflow condition : 240 °C* ³ | Reflow condition : 260 °C* ³ [Proposal] | | |
| FD | 2 | 68 | 7.3 | 4.3 | 1.1 | 2.0 | 0.028 | EEFFD0D680R | — | 3500 | |
| | 2.5 | 56 | 7.3 | 4.3 | 1.1 | 2.0 | 0.028 | EEFFD0E560R | — | 3500 | |
| | 4 | 39 | 7.3 | 4.3 | 1.1 | 2.0 | 0.028 | EEFFD0G390R | — | 3500 | |
| | | 47 | 7.3 | 4.3 | 1.1 | 2.0 | 0.028 | EEFFD0G470R | — | 3500 | |
| | 6.3 | 33 | 7.3 | 4.3 | 1.1 | 2.0 | 0.028 | EEFFD0J330R | — | 3500 | |
| | 8 | 22 | 7.3 | 4.3 | 1.1 | 2.0 | 0.028 | EEFFD0K220R | — | 3500 | |
| 12.5 | 15 | 7.3 | 4.3 | 1.1 | 1.4 | 0.040 | EEFFD1B150R | — | 3500 | | |
| CD | 2 | 100 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0D101R | EEFCD0D101ER | 3500 | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 0.015 | EEFCD0D101XR | EEFCD0D101XE | 3500 | |
| | | 120 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0D121R | EEFCD0D121ER | 3500 | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 0.015 | EEFCD0D121XR | EEFCD0D121XE | 3500 | |
| | | 150 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0D151R | EEFCD0D151ER | 3500 | |
| | | 180 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0D181R | EEFCD0D181ER | 3500 | |
| | 220 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0D221R | EEFCD0D221ER | 3500 | | |
| | 2.5 | 82 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0E820R | EEFCD0E820ER | 3500 | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 0.015 | EEFCD0E820XR | EEFCD0E820XE | 3500 | |
| | | 100 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0E101R | EEFCD0E101ER | 3500 | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 0.015 | EEFCD0E101XR | EEFCD0E101XE | 3500 | |
| | | 120 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0E121R | EEFCD0E121ER | 3500 | |
| | | 150 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0E151R | EEFCD0E151ER | 3500 | |
| | 4 | 56 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0G560R | EEFCD0G560ER | 3500 | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 0.015 | EEFCD0G560XR | EEFCD0G560XE | 3500 | |
| | | 68 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0G680R | EEFCD0G680ER | 3500 | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 0.015 | EEFCD0G680XR | EEFCD0G680XE | 3500 | |
| | | 82 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0G820R | EEFCD0G820ER | 3500 | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 0.015 | EEFCD0G820XR | EEFCD0G820XE | 3500 | |
| | 100 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0G101R | EEFCD0G101ER | 3500 | | |
| | 6.3 | 10 | 7.3 | 4.3 | 1.8 | 1.4 | 0.055 | EEFCD0J100R | EEFCD0J100ER | 3500 | |
| | | 22 | 7.3 | 4.3 | 1.8 | 1.6 | 0.040 | EEFCD0J220R | EEFCD0J220ER | 3500 | |
| | | 33 | 7.3 | 4.3 | 1.8 | 2.0 | 0.028 | EEFCD0J330R | EEFCD0J330ER | 3500 | |
| | | 47 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0J470R | EEFCD0J470ER | 3500 | |
| | | | 7.3 | 4.3 | 1.8 | 2.7 | 0.015 | EEFCD0J470XR | EEFCD0J470XE | 3500 | |
| | | 68 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0J680R | EEFCD0J680ER | 3500 | |
| | 7.3 | 4.3 | 1.8 | 2.7 | 0.015 | EEFCD0J680XR | EEFCD0J680XE | 3500 | | | |
| | 8 | 8.2 | 7.3 | 4.3 | 1.8 | 1.4 | 0.055 | EEFCD0K8R2R | EEFCD0K8R2ER | 3500 | |
| | | 15 | 7.3 | 4.3 | 1.8 | 1.6 | 0.040 | EEFCD0K150R | EEFCD0K150ER | 3500 | |
| | | 22 | 7.3 | 4.3 | 1.8 | 1.8 | 0.028 | EEFCD0K220R | EEFCD0K220ER | 3500 | |
| | | 33 | 7.3 | 4.3 | 1.8 | 2.5 | 0.018 | EEFCD0K330R | EEFCD0K330ER | 3500 | |
| | | 47 | 7.3 | 4.3 | 1.8 | 1.8 | 0.025 | EEFCD0K470R | EEFCD0K470ER | 3500 | |
| | | — | — | — | — | — | — | — | — | 3500 | |
| | 10 | 22 | 7.3 | 4.3 | 1.8 | 1.6 | 0.030 | — | EEFCD1A220ER | 3500 | |
| | | 33 | 7.3 | 4.3 | 1.8 | 1.8 | 0.025 | — | EEFCD1A330ER | 3500 | |
| | | 39 | 7.3 | 4.3 | 1.8 | 1.8 | 0.025 | — | EEFCD1A390ER | 3500 | |
| | | 4.7 | 7.3 | 4.3 | 1.8 | 1.0 | 0.080 | EEFCD1B4R7R | — | 3500 | |
| | | 10 | 7.3 | 4.3 | 1.8 | 1.0 | 0.060 | EEFCD1B100R | — | 3500 | |
| | | 15 | 7.3 | 4.3 | 1.8 | 1.3 | 0.050 | EEFCD1B150R | — | 3500 | |
| | 12.5 | 22 | 7.3 | 4.3 | 1.8 | 1.6 | 0.030 | EEFCD1B220R | — | 3500 | |
| | | 2.2 | 7.3 | 4.3 | 1.8 | 1.0 | 0.110 | EEFCD1C2R2R | — | 3500 | |
| | | 4.7 | 7.3 | 4.3 | 1.8 | 1.0 | 0.080 | EEFCD1C4R7R | — | 3500 | |
| | | 6.8 | 7.3 | 4.3 | 1.8 | 1.0 | 0.070 | EEFCD1C6R8R | — | 3500 | |
| | | 8.2 | 7.3 | 4.3 | 1.8 | 1.3 | 0.045 | EEFCD1C8R2R | — | 3500 | |
| | | — | — | — | — | — | — | — | — | 3500 | |
| | CX | 2 | 220 | 7.3 | 4.3 | 1.9 | 2.7 | 0.015 | — | EEFCX0D221R | 3500 |
| | | | 270 | 7.3 | 4.3 | 1.9 | 3.0 | 0.012 | — | EEFCX0D271XR | 3500 |
| | | | 330 | 7.3 | 4.3 | 1.9 | 2.7 | 0.015 | — | EEFCX0D331R | 3500 |
| 7.3 | | | | 4.3 | 1.9 | 3.0 | 0.012 | — | EEFCX0D331XR | 3500 | |
| 390 | | | 7.3 | 4.3 | 1.9 | 2.7 | 0.015 | — | EEFCX0D391R | 3500 | |
| 470 | | | 7.3 | 4.3 | 1.9 | 2.7 | 0.015 | — | EEFCX0D471R | 3500 | |
| 2.5 | | 220 | 7.3 | 4.3 | 1.9 | 2.7 | 0.015 | — | EEFCX0E221R | 3500 | |
| | | 330 | 7.3 | 4.3 | 1.9 | 2.7 | 0.015 | — | EEFCX0E331R | 3500 | |
| | | 390 | 7.3 | 4.3 | 1.9 | 2.7 | 0.015 | — | EEFCX0E391R | 3500 | |
| 4 | | 150 | 7.3 | 4.3 | 1.9 | 2.7 | 0.015 | — | EEFCX0G151R | 3500 | |
| | | 180 | 7.3 | 4.3 | 1.9 | 2.7 | 0.015 | — | EEFCX0G181R | 3500 | |
| | | | 7.3 | 4.3 | 1.9 | 3.0 | 0.012 | — | EEFCX0G181XR | 3500 | |
| | | 220 | 7.3 | 4.3 | 1.9 | 2.7 | 0.015 | — | EEFCX0G221R | 3500 | |
| 7.3 | | 4.3 | 1.9 | 3.0 | 0.012 | — | EEFCX0G221XR | 3500 | | | |
| 6.3 | | 100 | 7.3 | 4.3 | 1.9 | 2.7 | 0.015 | — | EEFCX0J101R | 3500 | |
| | | 120 | 7.3 | 4.3 | 1.9 | 2.7 | 0.015 | — | EEFCX0J121R | 3500 | |
| | | 150 | 7.3 | 4.3 | 1.9 | 2.7 | 0.015 | — | EEFCX0J151R | 3500 | |
| 7.3 | | 4.3 | 1.9 | 3.0 | 0.012 | — | EEFCX0J151XR | 3500 | | | |

*1: Ripple current (100 kHz/ +20 to +105 °C), *2: ESR (100 kHz/+20 °C)

*3: Please confirm EE23 in detail of the Mounting Specifications.

NEW

■ Standard Products

| Series & Size Code | Rated W.V. (V.DC) | Capacitance (±20%) (μF) | Case Size | | | Specification | | Part number | | Min. Packaging Q'ty (pcs) | |
|--------------------|-------------------|-------------------------|-----------|--------|--------|--|----------------------------|---|--|----------------------------|------|
| | | | L (mm) | W (mm) | H (mm) | Ripple current* ¹ (Ar.m.s.) | ESR* ² (Ω) | Reflow condition : 240 °C* ³ | Reflow condition : 260 °C* ³ [Proposal] | | |
| UD | 2 | 330 | 7.3 | 4.3 | 2.8 | 3.0 | 0.015 | EEFUD0D331R* ⁴ | EEFUD0D331ER* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.3 | 0.012 | EEFUD0D331XR* ⁴ | EEFUD0D331XE* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.4 | 0.009 | EEFUD0D331LR* ⁴ | EEFUD0D331LE* ⁴ | 2000 | |
| | | 390 | 7.3 | 4.3 | 2.8 | 3.0 | 0.015 | EEFUD0D391R* ⁴ | EEFUD0D391ER* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.4 | 0.009 | EEFUD0D391LR* ⁴ | EEFUD0D391LE* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.4 | 0.009 | EEFUD0D471LR* ⁴ | EEFUD0D471LE* ⁴ | 2000 | |
| | 2.5 | 220 | 7.3 | 4.3 | 2.8 | 3.0 | 0.015 | EEFUD0E221R* ⁴ | EEFUD0E221ER* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.3 | 0.012 | EEFUD0E221XR* ⁴ | EEFUD0E221XE* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.4 | 0.009 | EEFUD0E221LR* ⁴ | EEFUD0E221LE* ⁴ | 2000 | |
| | | 270 | 7.3 | 4.3 | 2.8 | 3.0 | 0.015 | EEFUD0E271R* ⁴ | EEFUD0E271ER* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.4 | 0.009 | EEFUD0E271LR* ⁴ | EEFUD0E271LE* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.0 | 0.015 | EEFUD0G121R* ⁴ | EEFUD0G121ER* ⁴ | 2000 | |
| | 4 | 120 | 7.3 | 4.3 | 2.8 | 3.0 | 0.015 | EEFUD0G121XR* ⁴ | EEFUD0G121XE* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.0 | 0.015 | EEFUD0G151R* ⁴ | EEFUD0G151ER* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.3 | 0.012 | EEFUD0G151XR* ⁴ | EEFUD0G151XE* ⁴ | 2000 | |
| | | 150 | 7.3 | 4.3 | 2.8 | 3.4 | 0.009 | EEFUD0G151LR* ⁴ | EEFUD0G151LE* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 2.5 | 0.018 | EEFUD0G181R* ⁴ | EEFUD0G181ER* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.4 | 0.009 | EEFUD0G181LR* ⁴ | EEFUD0G181LE* ⁴ | 2000 | |
| | 6.3 | 100 | 7.3 | 4.3 | 2.8 | 3.0 | 0.015 | EEFUD0J101R* ⁴ | EEFUD0J101ER* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.3 | 0.012 | EEFUD0J101XR* ⁴ | EEFUD0J101XE* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.0 | 0.015 | EEFUD0J121R* ⁴ | EEFUD0J121ER* ⁴ | 2000 | |
| | | 120 | 7.3 | 4.3 | 2.8 | 3.3 | 0.012 | EEFUD0J121XR* ⁴ | EEFUD0J121XE* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 3.4 | 0.009 | EEFUD0J121LR* ⁴ | — | 2000 | |
| | | | 7.3 | 4.3 | 2.8 | 2.5 | 0.018 | EEFUD0J151R* ⁴ | EEFUD0J151ER* ⁴ | 2000 | |
| | 8 | 68 | 7.3 | 4.3 | 2.8 | 3.0 | 0.015 | EEFUD0K680R | EEFUD0K680ER | 2000 | |
| | | 100 | 7.3 | 4.3 | 2.8 | 2.5 | 0.018 | EEFUD0K101R | EEFUD0K101ER | 2000 | |
| | UE | 2 | 270 | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0D271R* ⁴ | EEFUE0D271ER* ⁴ | 2000 |
| | | | | 7.3 | 4.3 | 4.2 | 3.5 | 0.010 | EEFUE0D271XR* ⁴ | EEFUE0D271XE* ⁴ | 2000 |
| | | | | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0D331R* ⁴ | EEFUE0D331ER* ⁴ | 2000 |
| | | | 330 | 7.3 | 4.3 | 4.2 | 3.5 | 0.010 | EEFUE0D331XR* ⁴ | EEFUE0D331XE* ⁴ | 2000 |
| | | | | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0D391R* ⁴ | EEFUE0D391ER* ⁴ | 2000 |
| | | | | 7.3 | 4.3 | 4.2 | 3.5 | 0.010 | EEFUE0D391XR* ⁴ | EEFUE0D391XE* ⁴ | 2000 |
| | | | 390 | 7.3 | 4.3 | 4.2 | 3.7 | 0.007 | EEFUE0D391LR* ⁴ | EEFUE0D391LE* ⁴ | 2000 |
| | | | | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0D471R* ⁴ | EEFUE0D471ER* ⁴ | 2000 |
| | | | | 7.3 | 4.3 | 4.2 | 3.5 | 0.010 | EEFUE0D471XR* ⁴ | EEFUE0D471XE* ⁴ | 2000 |
| | | | 470 | 7.3 | 4.3 | 4.2 | 3.7 | 0.007 | EEFUE0D471LR* ⁴ | EEFUE0D471LE* ⁴ | 2000 |
| 7.3 | | | | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0D561R | EEFUE0D561ER | 2000 | |
| 7.3 | | | | 4.3 | 4.2 | 3.7 | 0.007 | EEFUE0D561LR | EEFUE0D561LE | 2000 | |
| 2.5 | | 220 | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0E221R* ⁴ | EEFUE0E221ER* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.5 | 0.010 | EEFUE0E221XR* ⁴ | EEFUE0E221XE* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0E271R* ⁴ | EEFUE0E271ER* ⁴ | 2000 | |
| | | 270 | 7.3 | 4.3 | 4.2 | 3.5 | 0.010 | EEFUE0E271XR* ⁴ | EEFUE0E271XE* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0E331R* ⁴ | EEFUE0E331ER* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.5 | 0.010 | EEFUE0E331XR* ⁴ | EEFUE0E331XE* ⁴ | 2000 | |
| | | 330 | 7.3 | 4.3 | 4.2 | 3.7 | 0.007 | EEFUE0E331LR* ⁴ | EEFUE0E331LE* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0E391R* ⁴ | EEFUE0E391ER* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.7 | 0.007 | EEFUE0E391LR* ⁴ | EEFUE0E391LE* ⁴ | 2000 | |
| | | 390 | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0E471R | EEFUE0E471ER | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.7 | 0.007 | EEFUE0E471LR | EEFUE0E471LE | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0G181R* ⁴ | EEFUE0G181ER* ⁴ | 2000 | |
| 4 | | 180 | 7.3 | 4.3 | 4.2 | 3.5 | 0.010 | EEFUE0G181XR* ⁴ | EEFUE0G181XE* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0G221R* ⁴ | EEFUE0G221ER* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.5 | 0.010 | EEFUE0G221XR* ⁴ | EEFUE0G221XE* ⁴ | 2000 | |
| | | 220 | 7.3 | 4.3 | 4.2 | 3.7 | 0.007 | EEFUE0G221LR* ⁴ | EEFUE0G221LE* ⁴ | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0G271R | EEFUE0G271ER | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.7 | 0.007 | EEFUE0G271LR | EEFUE0G271LE | 2000 | |
| 330 | | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0G331R | EEFUE0G331ER | 2000 | | |
| | | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0J151R* ⁴ | EEFUE0J151ER* ⁴ | 2000 | | |
| | | 7.3 | 4.3 | 4.2 | 3.5 | 0.010 | EEFUE0J151XR* ⁴ | EEFUE0J151XE* ⁴ | 2000 | | |
| 6.3 | | 150 | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0J181R | EEFUE0J181ER | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.5 | 0.010 | EEFUE0J181XR | EEFUE0J181XE | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.7 | 0.007 | EEFUE0J181LR | — | 2000 | |
| | | 180 | 7.3 | 4.3 | 4.2 | 3.0 | 0.015 | EEFUE0J221R | EEFUE0J221ER | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.7 | 0.007 | EEFUE0J221LR | — | 2000 | |
| | | | 7.3 | 4.3 | 4.2 | 3.3 | 0.012 | EEFUE0K101R* ⁴ | EEFUE0K101ER* ⁴ | 2000 | |
| 8 | | 150 | 7.3 | 4.3 | 4.2 | 3.0 | 0.015 | EEFUE0K151R | EEFUE0K151ER | 2000 | |

*1: Ripple current (100 kHz/ +20 to +105 °C), *2: ESR (100 kHz/+20 °C)

*3: Please confirm EE23 in detail of the Mounting Specifications.

*4: Please use proposal part number of EE12, 13 when examining it.

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.