

## TANTALUM CAPACITORS

T520 SERIES LOW ESR CONDUCTIVE POLYMER CHIP CAPACITORS  
(CONT.)

| Mfg. Part No.        | Cap.  | ESR      | Size Code | Stock No. | Tape Cut 1-9+ |
|----------------------|-------|----------|-----------|-----------|---------------|
| <b>6.3 V</b>         |       |          |           |           |               |
| ● T520B686M006ATE070 | 68μF  | 0.07ohm  | B         | 97H5625   | ---           |
| ● T520V107M006ATE007 | 100μF | 0.007ohm | V         | 94W4878   | 3.35          |
| ● T520B107M006ATE009 | 100μF | 0.009ohm | V         | 94W4879   | ---           |
| ● T520B107M006ATE015 | 100μF | 0.015ohm | B         | 94W4839   | ---           |
| ● T520B107M006ATE018 | 100μF | 0.018ohm | B         | 94W4840   | 1.35          |
| ● T520C107M006ATE025 | 100μF | 0.025ohm | C         | 94W4855   | ---           |
| ● T520B107M006ATE045 | 100μF | 0.045ohm | B         | 94W4841   | 0.24          |
| ● T520C107M006ATE045 | 100μF | 0.045ohm | C         | 94W4856   | 0.56          |
| ● T520B107M006ATE040 | 100μF | 0.04ohm  | B         | 91H6452   | 0.31          |
| ● T520B107M006ATE070 | 100μF | 0.07ohm  | B         | 91H6453   | 0.28          |
| ● T520D157M006ATE007 | 150μF | 0.007ohm | D         | 94W4863   | ---           |
| ● T520D157M006ATE015 | 150μF | 0.015ohm | D         | 87H4523   | ---           |
| ● T520B157M006ATE025 | 150μF | 0.025ohm | B         | 81R3800   | ---           |
| ● T520B157M006ATE045 | 150μF | 0.045ohm | B         | 43K4376   | ---           |
| ● T520V157M006ATE045 | 150μF | 0.045ohm | V         | 95H4664   | ---           |
| ● T520V227M006ATE007 | 220μF | 0.007ohm | V         | 94W4882   | ---           |
| ● T520V227M006ATE012 | 220μF | 0.012ohm | V         | 94W4883   | ---           |
| ● T520C227M006ATE015 | 220μF | 0.015ohm | C         | 94W4858   | ---           |
| ● T520C227M006ATE018 | 220μF | 0.018ohm | C         | 94W4859   | ---           |
| ● T520B227M006ATE070 | 220μF | 0.07ohm  | B         | 81R3807   | ---           |
| ● T520D337M006ATE009 | 330μF | 0.009ohm | D         | 94W4869   | 1.83          |
| ● T520V337M006ATE018 | 330μF | 0.018ohm | V         | 94W4887   | ---           |
| ● T520D337M006ATE025 | 330μF | 0.025ohm | D         | 87H4537   | ---           |
| ● T520V337M006ATE025 | 330μF | 0.025ohm | V         | 12N2832   | 0.25          |
| ● T520D337M006ATE040 | 330μF | 0.04ohm  | D         | 12N2829   | ---           |
| ● T520Y477M006ATE010 | 470μF | 0.01ohm  | Y         | 94W4892   | ---           |
| <b>8 V</b>           |       |          |           |           |               |
| ● T520B476M008ATE035 | 47μF  | 0.035ohm | B         | 94W4850   | ---           |
| ● T520B476M008ATE070 | 47μF  | 0.07ohm  | B         | 94W4851   | 0.43          |
| <b>10 V</b>          |       |          |           |           |               |
| ● T520A106M010ATE080 | 10μF  | 0.08ohm  | A         | 12N2820   | 1.69          |
| ● T520A156M010ATE080 | 15μF  | 0.08ohm  | A         | 94W4836   | ---           |
| ● T520B336M010ATE025 | 33μF  | 0.025ohm | B         | 94W4847   | ---           |
| ● T520B336M010ATE040 | 33μF  | 0.04ohm  | B         | 12N2823   | 0.25          |
| ● T520B476M010ATE070 | 47μF  | 0.07ohm  | B         | 12N2825   | ---           |
| ● T520V686M010ATE045 | 68μF  | 0.045ohm | V         | 18K7509   | ---           |
| ● T520C686M010ATE045 | 68μF  | 0.045ohm | C         | 94W4860   | ---           |
| ● T520V686M010ATE060 | 68μF  | 0.06ohm  | V         | 10J6684   | ---           |
| ● T520V107M010ATE018 | 100μF | 0.018ohm | V         | 12N2830   | 3.90          |
| ● T520V107M010ATE025 | 100μF | 0.025ohm | V         | 12N2831   | 0.98          |
| ● T520L107M010ATE025 | 100μF | 0.025ohm | L         | 94W4875   | 0.80          |
| ● T520V107M010ATE045 | 100μF | 0.045ohm | V         | 94W4880   | ---           |
| ● T520D107M010ATE080 | 100μF | 0.08ohm  | D         | 97H5626   | ---           |
| ● T520D157M010ATE040 | 150μF | 0.04ohm  | D         | 12N2826   | ---           |
| ● T520D157M010ATE055 | 150μF | 0.055ohm | D         | 97H5629   | ---           |
| ● T520C157M010ATE055 | 150μF | 0.055ohm | C         | 14N7630   | ---           |
| ● T520D227M010ATE025 | 220μF | 0.025ohm | D         | 12N2828   | ---           |
| <b>16 V</b>          |       |          |           |           |               |
| ● T520B106M016ATE100 | 10μF  | 0.1ohm   | B         | 09P0966   | 0.55          |
| ● T520C226M016ATE080 | 22μF  | 0.08ohm  | C         | 94W4857   | ---           |
| ● T520V476M016ATE045 | 47μF  | 0.045ohm | V         | 43K4393   | ---           |
| ● T520D686M016ATE050 | 68μF  | 0.05ohm  | D         | 94W4874   | 0.70          |
| <b>20 V</b>          |       |          |           |           |               |
| ● T520V226M020ATE040 | 22μF  | 0.04ohm  | V         | 94W4881   | ---           |

PIM\_80142

## OS-CON® - SVP SERIES STANDARD ALUMINUM-POLYMER SOLID CAPACITORS

- Highly Stable Temperature Characteristics
- Long Lifetime at High Temperatures
- Applications include: LED Lighting, PC/Server, Set Top Box, Audio/Video Equipment, FPGA Power Delivery, Router/Switch/Base Station, Test and Measurement.
- Operating Temperature range of -55°C to +105°C
- Capacitance Tolerance of 20%
- Lifetime @ Temperature of 2000 hours @ 125°C

OS-CON Capacitors utilize aluminum and a high conductivity polymer material to offer low ESR, excellent noise reduction and ripple current capabilities. OS-CON parts are characterized by a long life span and minimal changes in ESR throughout the entire rated temperature range.



Panasonic

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## OS-CON® - SVP SERIES STANDARD ALUMINUM-POLYMER SOLID CAPACITORS (CONT.)

| Mfg. Part No.        | Cap.  | Tol. | ESR      | Stock No. | Tape Cut 1-9+ |
|----------------------|-------|------|----------|-----------|---------------|
| <b>4 V, 105 °C</b>   |       |      |          |           |               |
| ● 4SVP560M           | 560μF | ±20% | 0.013ohm | 98W0643   | ---           |
| ● 4SVP680M           | 680μF | ±20% | 0.025ohm | 98W0646   | ---           |
| <b>6.3 V, 105 °C</b> |       |      |          |           |               |
| ● 6SVP82M            | 82μF  | ±20% | 0.045ohm | 98W0958   | ---           |
| ● 6SVP220MX          | 220μF | ±20% | 0.035ohm | 98W0950   | ---           |
| ● 6SVP330M           | 330μF | ±20% | 0.025ohm | 98W0952   | ---           |
| ● 6SVP470M           | 470μF | ±20% | 0.015ohm | 98W0955   | ---           |
| ● 6SVP820M           | 820μF | ±20% | 0.012ohm | 98W0960   | 0.62          |
| <b>10 V, 105 °C</b>  |       |      |          |           |               |
| ● 10SVP10M           | 10μF  | ±20% | 0.22ohm  | 97W9263   | 0.28          |
| ● 10SVP47M           | 47μF  | ±20% | 0.05ohm  | 97W9276   | ---           |
| ● 10SVP270M          | 270μF | ±20% | 0.025ohm | 97W9269   | ---           |
| ● 10SVP330M          | 330μF | ±20% | 0.017ohm | 97W9272   | 0.25          |
| ● 10SVP560M          | 560μF | ±20% | 0.013ohm | 97W9279   | ---           |
| <b>16 V, 105 °C</b>  |       |      |          |           |               |
| ● 16SVP22M           | 22μF  | ±20% | 0.09ohm  | 98W0231   | 0.31          |
| ● 16SVP39M           | 39μF  | ±20% | 0.05ohm  | 98W0236   | ---           |
| ● 16SVP56M           | 56μF  | ±20% | 0.045ohm | 98W0238   | ---           |
| ● 16SVP82M           | 82μF  | ±20% | 0.04ohm  | 98W0240   | 0.40          |
| ● 16SVP100M          | 100μF | ±20% | 0.035ohm | 98W0222   | ---           |
| ● 16SVP150M          | 150μF | ±20% | 0.03ohm  | 98W0225   | 1.78          |
| ● 16SVP180M          | 180μF | ±20% | 0.02ohm  | 98W0227   | ---           |
| ● 16SVP180MX         | 180μF | ±20% | 0.03ohm  | 98W0229   | ---           |
| ● 16SVP330M          | 330μF | ±20% | 0.016ohm | 98W0234   | ---           |
| <b>20 V, 105 °C</b>  |       |      |          |           |               |
| ● 20SVP22M           | 22μF  | ±20% | 0.06ohm  | 98W0457   | ---           |
| ● 20SVP47M           | 47μF  | ±20% | 0.045ohm | 98W0461   | 0.40          |
| ● 20SVP68M           | 68μF  | ±20% | 0.04ohm  | 98W0464   | ---           |
| ● 20SVP100M          | 100μF | ±20% | 0.024ohm | 98W0453   | ---           |
| ● 20SVP150M          | 150μF | ±20% | 0.02ohm  | 98W0455   | 2.78          |

PIM\_121457

## EEE-FT SERIES SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITOR

## Features:

- Endurance : 2000h at 105°C
- Miniaturized, Low ESR
- Capacitance tolerance: ±20% (120Hz+20°C)
- Temperature range: -55°C to +105°C



| Mfg. Part No.       | Cap.   | Tol. | ESR     | Dia.  | Height | Stock No. | Tape Cut 1-9+ |
|---------------------|--------|------|---------|-------|--------|-----------|---------------|
| <b>10 V, 105 °C</b> |        |      |         |       |        |           |               |
| ● EEE-FT1A680AR     | 68μF   | ±20% | 0.85ohm | 4mm   | 5.8mm  | 73T9155   | ---           |
| ● EEE-FT1A151AR     | 150μF  | ±20% | 0.36ohm | 5mm   | 5.8mm  | 73T9152   | ---           |
| ● EEE-FT1A221AP     | 220μF  | ±20% | 0.26ohm | 6.3mm | 5.8mm  | 73T9154   | ---           |
| ● EEE-FT1A102AP     | 1000μF | ±20% | 0.08ohm | 8mm   | 10.2mm | 73T9151   | ---           |
| ● EEE-FT1A152AP     | 1500μF | ±20% | 0.06ohm | 10mm  | 10.2mm | 73T9153   | ---           |
| <b>16 V, 105 °C</b> |        |      |         |       |        |           |               |
| ● EEE-FT1C470AR     | 47μF   | ±20% | 0.85ohm | 4mm   | 5.8mm  | 73T9160   | ---           |
| ● EEE-FT1C680AR     | 68μF   | ±20% | 0.36ohm | 5mm   | 5.8mm  | 73T9161   | ---           |
| ● EEE-FT1C101AR     | 100μF  | ±20% | 0.36ohm | 5mm   | 5.8mm  | 73T9156   | ---           |
| ● EEE-FT1C151AP     | 150μF  | ±20% | 0.26ohm | 6.3mm | 5.8mm  | 73T9158   | ---           |
| ● EEE-FT1C221AP     | 220μF  | ±20% | 0.26ohm | 6.3mm | 5.8mm  | 73T9159   | 0.17          |
| ● EEE-FT1C681AP     | 680μF  | ±20% | 0.08ohm | 8mm   | 10.2mm | 73T9162   | ---           |
| ● EEE-FT1C102AP     | 1000μF | ±20% | 0.06ohm | 10mm  | 10.2mm | 73T9157   | ---           |
| <b>25 V, 105 °C</b> |        |      |         |       |        |           |               |
| ● EEE-FT1E330AR     | 33μF   | ±20% | 0.85ohm | 4mm   | 5.8mm  | 53W8320   | 0.46          |
| ● EEE-FT1E470AR     | 47μF   | ±20% | 0.36ohm | 5mm   | 5.8mm  | 31T8177   | ---           |
| ● EEE-FT1E680AR     | 68μF   | ±20% | 0.36ohm | 5mm   | 5.8mm  | 31T8179   | ---           |
| ● EEE-FT1E101AP     | 100μF  | ±20% | 0.26ohm | 6.3mm | 5.8mm  | 31T8174   | 0.11          |
| ● EEE-FT1E471AP     | 470μF  | ±20% | 0.08ohm | 8mm   | 10.2mm | 31T8178   | ---           |
| ● EEE-FT1E821AP     | 820μF  | ±20% | 0.06ohm | 10mm  | 10.2mm | 31T8180   | ---           |
| <b>35 V, 105 °C</b> |        |      |         |       |        |           |               |
| ● EEE-FT1V220AR     | 22μF   | ±20% | 0.85ohm | 4mm   | 5.8mm  | 31T8187   | 0.46          |
| ● EEE-FT1V330AR     | 33μF   | ±20% | 0.36ohm | 5mm   | 5.8mm  | 01X2797   | 0.09          |
| ● EEE-FT1V470AR     | 47μF   | ±20% | 0.36ohm | 5mm   | 5.8mm  | 31T8190   | ---           |
| ● EEE-FT1V680AP     | 68μF   | ±20% | 0.26ohm | 6.3mm | 5.8mm  | 31T8192   | ---           |
| ● EEE-FT1V101AP     | 100μF  | ±20% | 0.26ohm | 6.3mm | 5.8mm  | 31T8186   | 0.76          |
| ● EEE-FT1V331AP     | 330μF  | ±20% | 0.08ohm | 8mm   | 10.2mm | 31T8189   | ---           |
| ● EEE-FT1V561AP     | 560μF  | ±20% | 0.06ohm | 10mm  | 10.2mm | 31T8191   | 1.23          |

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