

TANTALUM CAPACITORS

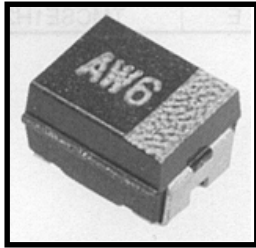
TMCM Series

•Miniaturized Tantalum Chip Capacitors with Extended Capacitance Range

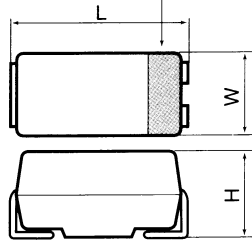
The TMCM Series is a miniaturized chip capacitor developed on the basis of TMCS production technology. It is ideal for high density component mounting applied in AV equipment

Super compact: The TMCM Series is reduced in size by 1/2 to 1/3 in comparison to the TMCS Series.

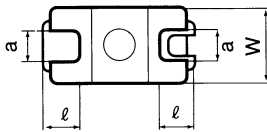
Outline Drawings and Dimensions



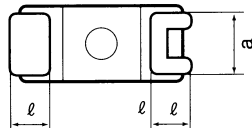
Anode Indication belt mark



E case



A, B, C case



TMCM Case Code Table

| Case Code | Dimensions | | | | |
|-----------|------------|----------|--------|--------|--------|
| | L ±0.2 | W ±0.2 | H ±0.2 | ℓ ±0.3 | a ±0.2 |
| A | 3.2 | 1.6 | 1.6 | 0.7 | 1.0 |
| B | 3.5 | 2.8 | 1.9 | 0.8 | 2.0 |
| C | 5.8 | 3.2 | 2.5 | 1.3 | 2.2 |
| E | 7.3 | 4.3 ±0.3 | 2.8 | 1.3 | 2.4 |

For Specifications see Table on Page 152.

TMCM Product Markings

| A, B Case | C, E Case |
|---|---|
| <p>Simplified code of rated voltage (G: 4V)</p> <p>GA7a</p> <p>Anode Indication belt mark</p> <p>Date Code (for manufacturing in January, 2003)</p> <p>Simplified code of nominal capacitance value (A7 : 10μF)</p> <p>Note: The simplified code is subject to JIS C 5143 10.1.2.</p> | <p>Nominal capacitance value (15μF)</p> <p>15</p> <p>Anode Indication belt mark</p> <p>16a</p> <p>Date Code (for manufacturing in January, 2003)</p> <p>Rated voltage (16V)</p> |

Tantalum Capacitor Date Code Table

| Month Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 2000 | n | p | q | r | s | t | u | v | w | n | n |
| 2001 | A | B | C | D | E | F | G | H | J | K | L | M |
| 2002 | N | P | Q | R | S | T | U | V | W | X | Y | Z |
| 2003 | a | b | c | d | e | f | g | h | j | k | l | m |

TANTALUM CAPACITORS

TMCM Series

•Miniaturized Tantalum Chip Capacitors with Extended Capacitance Range

| Rated Voltage (WVDC) | Part Number | Capacitance | Capacitance Tolerance | Tangent | Dimensions | | | Quantity | |
|----------------------------|---------------|-------------|-----------------------|---------|------------------------------------|-------------|-------------|-----------------|-----------------|
| | | | | | L x W* x H (±0.2) (±0.2) (±0.2) | ℓ (±0.3) | a (±0.2) | 180mm Dia. Reel | 330mm Dia. Reel |
| 2.5 Volts DC (Code: 0E) | TMCMA0E685KTR | 6.8 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0E685MTR | 6.8 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0E106KTR | 10.0 | ±10% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0E106MTR | 10.0 | ±20% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0E156KTR | 15.0 | ±10% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0E156MTR | 15.0 | ±20% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0E226KTR | 22.0 | ±10% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0E226MTR | 22.0 | ±20% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB0E226KTR | 22.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0E226MTR | 22.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMA0E336KTR | 33.0 | ±10% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0E336MTR | 33.0 | ±20% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB0E336KTR | 33.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0E336MTR | 33.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMA0E476KTR | 47.0 | ±10% | 0.12 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0E476MTR | 47.0 | ±20% | 0.12 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB0E476KTR | 47.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0E476MTR | 47.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0E686KTR | 68.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0E686MTR | 68.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC0E686KTR | 68.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC0E686MTR | 68.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMB0E107KTR | 100.0 | ±10% | 0.12 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0E107MTR | 100.0 | ±20% | 0.12 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC0E107KTR | 100.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC0E107MTR | 100.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMB0E157KTR | 150.0 | ±10% | 0.16 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0E157MTR | 150.0 | ±20% | 0.16 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC0E157KTR | 150.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC0E157MTR | 150.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME0E157KTR | 150.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME0E157MTR | 150.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCMC0E227KTR | 220.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC0E227MTR | 220.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME0E227KTR | 220.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME0E227MTR | 220.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME0E337KTR | 330.0 | ±10% | 0.10 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME0E337MTR | 330.0 | ±20% | 0.10 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME0E477KTR | 470.0 | ±10% | 0.10 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME0E477MTR | 470.0 | ±20% | 0.10 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |

*Case Code E: Width (W) = ±0.3

TANTALUM CAPACITORS

TMCM Series

•Miniaturized Tantalum Chip Capacitors with Extended Capacitance Range

| Rated Voltage (WVDC) | Part Number | Capacitance | Capacitance Tolerance | Tangent | Dimensions | | | Quantity | |
|--------------------------|---------------|-------------|-----------------------|------------------|------------------------------------|-------------|-------------|--------------------|--------------------|
| | | | | | L x W* x H (±0.2) (±0.2) (±0.2) | ℓ (±0.3) | a (±0.2) | 180mm Dia. Reel | 330mm Dia. Reel |
| 4 Volts DC (Code: 0G) | TMCMA0G475KTR | 4.7 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0G475MTR | 4.7 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0G685KTR | 6.8 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0G685MTR | 6.8 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0G106KTR | 10.0 | ±10% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0G106MTR | 10.0 | ±20% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0G156KTR | 15.0 | ±10% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0G156MTR | 15.0 | ±20% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB0G156KTR | 15.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0G156MTR | 15.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMA0G226KTR | 22.0 | ±10% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0G226MTR | 22.0 | ±20% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB0G226KTR | 22.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0G226MTR | 22.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMA0G336KTR | 33.0 | ±10% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0G336MTR | 33.0 | ±20% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB0G336KTR | 33.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0G336MTR | 33.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMA0G476KTR | 47.0 | ±10% | 0.12 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0G476MTR | 47.0 | ±20% | 0.12 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB0G476KTR | 47.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0G476MTR | 47.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC0G476KTR | 47.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC0G476MTR | 47.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMB0G686KTR | 68.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0G686MTR | 68.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC0G686KTR | 68.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC0G686MTR | 68.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMB0G107KTR | 100.0 | ±10% | 0.12 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0G107MTR | 100.0 | ±20% | 0.12 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC0G107KTR | 100.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC0G107MTR | 100.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME0G107KTR | 100.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME0G107MTR | 100.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCMC0G157KTR | 150.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC0G157MTR | 150.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME0G157KTR | 150.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME0G157MTR | 150.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCMC0G227KTR | 220.0 | ±10% | 0.12 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC0G227MTR | 220.0 | ±20% | 0.12 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| TMCME0G227KTR | 220.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME0G227MTR | 220.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME0G337KTR | 330.0 | ±10% | 0.10 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME0G337MTR | 330.0 | ±20% | 0.10 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME0G477KTR | 470.0 | ±10% | 0.10 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME0G477MTR | 470.0 | ±20% | 0.10 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |

*Case Code E: Width (W) = ±0.3

TANTALUM CAPACITORS

TMCM Series

• Miniaturized Tantalum Chip Capacitors with Extended Capacitance Range

| Rated Voltage (WVDC) | Part Number | Capacitance | Capacitance Tolerance | Tangent | Dimensions | | | Quantity | |
|--------------------------|---------------|-------------|-----------------------|------------------|------------------------------------|-------------|-------------|--------------------|--------------------|
| | | | | | L x W* x H (±0.2) (±0.2) (±0.2) | ℓ (±0.3) | a (±0.2) | 180mm Dia. Reel | 330mm Dia. Reel |
| 7 Volts DC (Code: 0J) | TMCMA0J335KTR | 3.3 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0J335MTR | 3.3 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0J475KTR | 4.7 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0J475MTR | 4.7 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0J685KTR | 6.8 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0J685MTR | 6.8 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0J106KTR | 10.0 | ±10% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0J106MTR | 10.0 | ±20% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB0J106KTR | 10.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0J106MTR | 10.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMA0J156KTR | 15.0 | ±10% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0J156MTR | 15.0 | ±20% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB0J156KTR | 15.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0J156MTR | 15.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMA0J226KTR | 22.0 | ±10% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0J226MTR | 22.0 | ±20% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB0J226KTR | 22.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0J226MTR | 22.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMA0J336KTR | 33.0 | ±10% | 0.10 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA0J336MTR | 33.0 | ±20% | 0.10 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB0J336KTR | 33.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0J336MTR | 33.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC0J336KTR | 33.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC0J336MTR | 33.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMB0J476KTR | 47.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0J476MTR | 47.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC0J476KTR | 47.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC0J476MTR | 47.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMB0J686KTR | 68.0 | ±10% | 0.10 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB0J686MTR | 68.0 | ±20% | 0.10 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC0J686KTR | 68.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC0J686MTR | 68.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME0J686KTR | 68.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME0J686MTR | 68.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCMC0J107KTR | 100.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC0J107MTR | 100.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME0J107KTR | 100.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME0J107MTR | 100.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCMC0J157KTR | 150.0 | ±10% | 0.10 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC0J157MTR | 150.0 | ±20% | 0.10 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| TMCME0J157KTR | 150.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME0J157MTR | 150.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME0J227KTR | 220.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME0J227MTR | 220.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME0J337KTR | 330.0 | ±10% | 0.10 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME0J337MTR | 330.0 | ±20% | 0.10 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |

*Case Code E: Width (W) = ±0.3

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TMCM Series

•Miniaturized Tantalum Chip Capacitors with Extended Capacitance Range

| Rated Voltage (WVDC) | Part Number | Capacitance | Capacitance Tolerance | Tangent | Dimensions | | | Quantity | |
|---------------------------|---------------|-------------|-----------------------|------------------|------------------------------------|-------------|-------------|--------------------|--------------------|
| | | | | | L x W* x H (±0.2) (±0.2) (±0.2) | ℓ (±0.3) | a (±0.2) | 180mm Dia. Reel | 330mm Dia. Reel |
| 10 Volts DC (Code: 1A) | TMCMA1A225KTR | 2.2 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1A225MTR | 2.2 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1A335KTR | 3.3 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1A335MTR | 3.3 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1A475KTR | 4.7 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1A475MTR | 4.7 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1A685KTR | 6.8 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1A685MTR | 6.8 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB1A685KTR | 6.8 | ±10% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1A685MTR | 6.8 | ±20% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMA1A106KTR | 10.0 | ±10% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1A106MTR | 10.0 | ±20% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB1A106KTR | 10.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1A106MTR | 10.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMA1A156KTR | 15.0 | ±10% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1A156MTR | 15.0 | ±20% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB1A156KTR | 15.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1A156MTR | 15.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1A226KTR | 22.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1A226MTR | 22.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC1A226KTR | 22.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1A226MTR | 22.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMB1A336KTR | 33.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1A336MTR | 33.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC1A336KTR | 33.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1A336MTR | 33.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMB1A476KTR | 47.0 | ±10% | 0.10 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1A476MTR | 47.0 | ±20% | 0.10 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC1A476KTR | 47.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1A476MTR | 47.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME1A476KTR | 47.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1A476MTR | 47.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCMC1A686KTR | 68.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1A686MTR | 68.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME1A686KTR | 68.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1A686MTR | 68.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCMC1A107KTR | 100.0 | ±10% | 0.10 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1A107MTR | 100.0 | ±20% | 0.10 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME1A107KTR | 100.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1A107MTR | 100.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| TMCME1A157KTR | 150.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME1A157MTR | 150.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME1A227KTR | 220.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME1A227MTR | 220.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |

*Case Code E: Width (W) = ±0.3

TANTALUM CAPACITORS

TMCM Series

•Miniaturized Tantalum Chip Capacitors with Extended Capacitance Range

| Rated Voltage (WVDC) | Part Number | Capacitance | Capacitance Tolerance | Tangent | Dimensions | | | Quantity | |
|---------------------------|---------------|-------------|-----------------------|------------------|------------------------------------|-------------|-------------|--------------------|--------------------|
| | | | | | L x W* x H (±0.2) (±0.2) (±0.2) | ℓ (±0.3) | a (±0.2) | 180mm Dia. Reel | 330mm Dia. Reel |
| 16 Volts DC (Code: 1C) | TMCMA1C155KTR | 1.5 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1C155MTR | 1.5 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1C225KTR | 2.2 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1C225MTR | 2.2 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1C335KTR | 3.3 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1C335MTR | 3.3 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1C475KTR | 4.7 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1C475MTR | 4.7 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB1C475KTR | 4.7 | ±10% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1C475MTR | 4.7 | ±20% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMA1C685KTR | 6.8 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1C685MTR | 6.8 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB1C685KTR | 6.8 | ±10% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1C685MTR | 6.8 | ±20% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMA1C106KTR | 10.0 | ±10% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1C106MTR | 10.0 | ±20% | 0.08 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB1C106KTR | 10.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1C106MTR | 10.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1C156KTR | 15.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1C156MTR | 15.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC1C156KTR | 15.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1C156MTR | 15.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMB1C226KTR | 22.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1C226MTR | 22.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC1C226KTR | 22.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1C226MTR | 22.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1C336KTR | 33.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1C336MTR | 33.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME1C336KTR | 33.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1C336MTR | 33.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCMC1C476KTR | 47.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1C476MTR | 47.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME1C476KTR | 47.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| TMCME1C476MTR | 47.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME1C686KTR | 68.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME1C686MTR | 68.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME1C107KTR | 100.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME1C107MTR | 100.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |

*Case Code E: Width (W) = ±0.3

TANTALUM CAPACITORS

TMCM Series

• Miniaturized Tantalum Chip Capacitors with Extended Capacitance Range

| Rated Voltage (WVDC) | Part Number | Capacitance | Capacitance Tolerance | Tangent | Dimensions | | | Quantity | |
|---------------------------|---------------|-------------|-----------------------|---------|------------------------------------|-------------|-------------|--------------------|--------------------|
| | | | | | L x W* x H (±0.2) (±0.2) (±0.2) | ℓ (±0.3) | a (±0.2) | 180mm Dia. Reel | 330mm Dia. Reel |
| 20 Volts DC (Code: 1D) | TMCMA1D105KTR | 1.0 | ±10% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1D105MTR | 1.0 | ±20% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1D155KTR | 1.5 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1D155MTR | 1.5 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1D225KTR | 2.2 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1D225MTR | 2.2 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1D335KTR | 3.3 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1D335MTR | 3.3 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB1D335KTR | 3.3 | ±10% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1D335MTR | 3.3 | ±20% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMA1D475KTR | 4.7 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1D475MTR | 4.7 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB1D475KTR | 4.7 | ±10% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1D475MTR | 4.7 | ±20% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1D685KTR | 6.8 | ±10% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1D685MTR | 6.8 | ±20% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1D106KTR | 10.0 | ±10% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1D106MTR | 10.0 | ±20% | 0.08 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC1D106KTR | 10.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1D106MTR | 10.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1D156KTR | 15.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1D156MTR | 15.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1D226KTR | 22.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1D226MTR | 22.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME1D226KTR | 22.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1D226MTR | 22.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1D336KTR | 33.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1D336MTR | 33.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1D476KTR | 47.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1D476MTR | 47.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |

*Case Code E: Width (W) = ±0.3

TANTALUM CAPACITORS

TMCM Series

• Miniaturized Tantalum Chip Capacitors with Extended Capacitance Range

| Rated Voltage (WVDC) | Part Number | Capacitance | Capacitance Tolerance | Tangent | Dimensions | | | Quantity | |
|---------------------------|---------------|-------------|-----------------------|---------|------------------------------------|-------------|-------------|--------------------|--------------------|
| | | | | | L x W* x H (±0.2) (±0.2) (±0.2) | ℓ (±0.3) | a (±0.2) | 180mm Dia. Reel | 330mm Dia. Reel |
| 25 Volts DC (Code: 1E) | TMCMA1E684KTR | 0.68 | ±10% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1E684MTR | 0.68 | ±20% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1E105KTR | 1.0 | ±10% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1E105MTR | 1.0 | ±20% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1E155KTR | 1.5 | ±10% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1E155MTR | 1.5 | ±20% | 0.06 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB1E225KTR | 2.2 | ±10% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1E225MTR | 2.2 | ±20% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1E335KTR | 3.3 | ±10% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1E335MTR | 3.3 | ±20% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1E475KTR | 4.7 | ±10% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1E475MTR | 4.7 | ±20% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC1E685KTR | 6.8 | ±10% | 0.06 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1E685MTR | 6.8 | ±20% | 0.06 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1E106KTR | 10.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1E106MTR | 10.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1E156KTR | 15.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1E156MTR | 15.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME1E156KTR | 15.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1E156MTR | 15.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1E226KTR | 22.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1E226MTR | 22.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1E336KTR | 33.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1E336MTR | 33.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |

*Case Code E: Width (W) = ±0.3

TANTALUM CAPACITORS

TMCM Series

•Miniaturized Tantalum Chip Capacitors with Extended Capacitance Range

| Rated Voltage (WVDC) | Part Number | Capacitance | Capacitance Tolerance | Tangent | Dimensions | | | Quantity | |
|---------------------------|---------------|-------------|-----------------------|------------------|------------------------------------|-------------|-------------|--------------------|--------------------|
| | | | | | L x W* x H (±0.2) (±0.2) (±0.2) | ℓ (±0.3) | a (±0.2) | 180mm Dia. Reel | 330mm Dia. Reel |
| 35 Volts DC (Code: 1V) | TMCMA1V474KTR | 0.47 | ±10% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1V474MTR | 0.47 | ±20% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1V684KTR | 0.68 | ±10% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1V684MTR | 0.68 | ±20% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1V105KTR | 1.0 | ±10% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1V105MTR | 1.0 | ±20% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB1V155KTR | 1.5 | ±10% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1V155MTR | 1.5 | ±20% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1V225KTR | 2.2 | ±10% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1V225MTR | 2.2 | ±20% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1V335KTR | 3.3 | ±10% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1V335MTR | 3.3 | ±20% | 0.06 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC1V475KTR | 4.7 | ±10% | 0.06 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1V475MTR | 4.7 | ±20% | 0.06 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1V685KTR | 6.8 | ±10% | 0.06 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1V685MTR | 6.8 | ±20% | 0.06 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1V106KTR | 10.0 | ±10% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1V106MTR | 10.0 | ±20% | 0.08 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME1V106KTR | 10.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1V106MTR | 10.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| TMCME1V156KTR | 15.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME1V156MTR | 15.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME1V226KTR | 22.0 | ±10% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| TMCME1V226MTR | 22.0 | ±20% | 0.08 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 | |
| 50 Volts DC (Code: 1H) | TMCMA1H154KTR | 0.15 | ±10% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1H154MTR | 0.15 | ±20% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1H224KTR | 0.22 | ±10% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMA1H224MTR | 0.22 | ±20% | 0.04 | 3.2 x 1.6 x 1.6 | 0.7 | 1.0 | 2000 | 8000 |
| | TMCMB1H474KTR | 0.47 | ±10% | 0.04 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1H474MTR | 0.47 | ±20% | 0.04 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1H684KTR | 0.68 | ±10% | 0.04 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMB1H684MTR | 0.68 | ±20% | 0.04 | 3.5 x 2.8 x 1.9 | 0.8 | 2.2 | 2000 | 8000 |
| | TMCMC1H155KTR | 1.5 | ±10% | 0.06 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1H155MTR | 1.5 | ±20% | 0.06 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1H225KTR | 2.2 | ±10% | 0.06 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCMC1H225MTR | 2.2 | ±20% | 0.06 | 5.8 x 3.2 x 2.5 | 1.3 | 2.2 | 500 | 2500 |
| | TMCME1H335KTR | 3.3 | ±10% | 0.06 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1H335MTR | 3.3 | ±20% | 0.06 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1H475KTR | 4.7 | ±10% | 0.06 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |
| | TMCME1H475MTR | 4.7 | ±20% | 0.06 | 7.3 x 4.3* x 2.8 | 1.3 | 2.4 | 500 | 2500 |

*Case Code E: Width (W) = ±0.3