

Tantalum Product - TAC Series

PRODUCT SPECIFICATIONS :

| | |
|-------------------------------------|---|
| Nominal Capacitance @ 120Hz | 22 μ F |
| Capacitance Tolerance (*) | K = $\pm 10\%$; M = $\pm 20\%$ |
| Rated Voltage DC (V_R) | $\leq 85^\circ\text{C}$ 4 V |
| Category Voltage DC (V_C) | $\leq 125^\circ\text{C}$ 2.7 V |
| Surge Voltage (V_S) | $\leq 85^\circ\text{C}$ 5.2 V |
| | $\leq 125^\circ\text{C}$ 3.2 V |
| Temperature Range | -55°C to $+125^\circ\text{C}$ |
| Direct Leakage Current max. @ V_R | 0.9 μ A |
| Dissipation Factor max. @ 120Hz | 8 % |
| ESR max. @ 100kHz | 5 Ohm |
| Typical weight (R case) | 23.4 mg |



LEAD-FREE
LEAD-FREE COMPATIBLE
COMPONENT

Moisture sensitivity level: meets MSL 1

Reflow specification: meets J-STD-020 standard

100% surge current tested

All technical data relates to an ambient temperature of $+25^\circ\text{C}$, Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured at rated voltage after 5 minutes.

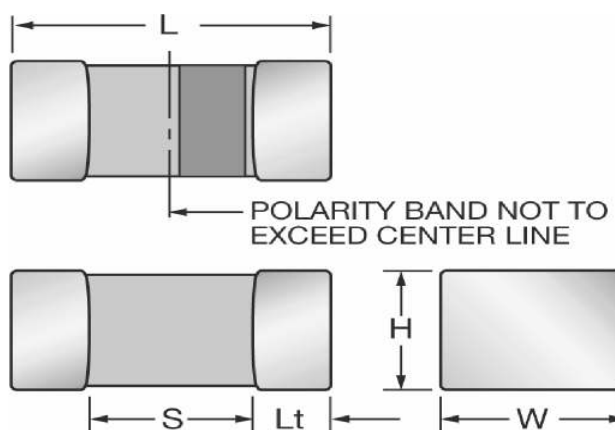
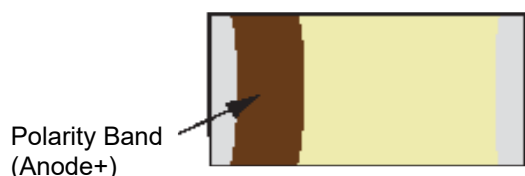
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards.

| RMS value of Ripple Current (mA) @100kHz | | | RMS value of Ripple Voltage (mV) @100kHz | | |
|---|------|-------|---|------|-------|
| 25°C | 85°C | 125°C | 25°C | 85°C | 125°C |
| 95 | 85 | 38 | 474 | 427 | 190 |

HOW TO ORDER:

| | | | | | | |
|------|-----------|-------------------|----------------|----------|-----------|--------|
| TAC | R | 226 | * | 004 | # | TA |
| | | | | | | |
| Type | Case code | Capacitance Value | Cap. Tolerance | Rated DC | Packaging | Suffix |

DRAWING AND DIMENSIONS:



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CASE DIMENSIONS: millimetres

| Case | | | | | | |
|-----------------|------|---------------|---------------|---------------|---------|--------|
| EIA | Size | L +0.20 -0.00 | W +0.15 -0.00 | H +0.15 -0.00 | Lt min. | S min. |
| 0805 (2012M) | R | 2.0 | 1.35 | 1.35 | 0.15 | 0.7 |

PACKAGING INFORMATION:

| Reel Size (#) | X = 4" Reel | R = 7" Reel | F = 4" Reel Gold Termination | A = 7" Reel Gold Termination |
|-----------------|------------------|------------------|---------------------------------|---------------------------------|
| Quantity | 500 | 2500 | 500 | 2500 |
| Tape Width | 8 mm | 8 mm | 8 mm | 8 mm |
| Component pitch | 4 mm | 4 mm | 4 mm | 4 mm |
| Tape Type | Plastic embossed | Plastic embossed | Plastic embossed | Plastic embossed |

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