

Tantalum Product - TAJ Series

PRODUCT SPECIFICATIONS :

| | |
|-------------------------------------|---|
| Nominal Capacitance @ 120Hz | 15 μ F |
| Capacitance Tolerance (*) | K = $\pm 10\%$; M = $\pm 20\%$ |
| Rated Voltage DC (V_R) | $\leq 85^\circ\text{C}$ 20 V |
| Category Voltage DC (V_C) | $\leq 125^\circ\text{C}$ 13 V |
| Surge Voltage (V_S) | $\leq 85^\circ\text{C}$ 26 V |
| | $\leq 125^\circ\text{C}$ 16 V |
| Temperature Range | -55°C to $+125^\circ\text{C}$ |
| Direct Leakage Current max. @ V_R | 3 μ A |
| Dissipation Factor max. @ 120Hz | 6 % |
| ESR max. @ 100kHz | 2 Ohm |
| Typical weight (B case) | 68 mg |



Moisture sensitivity level: meets MSL 1

Reflow specification: meets J-STD-020 standard

For AEC-Q200 availability, please contact KYOCERA AVX

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.

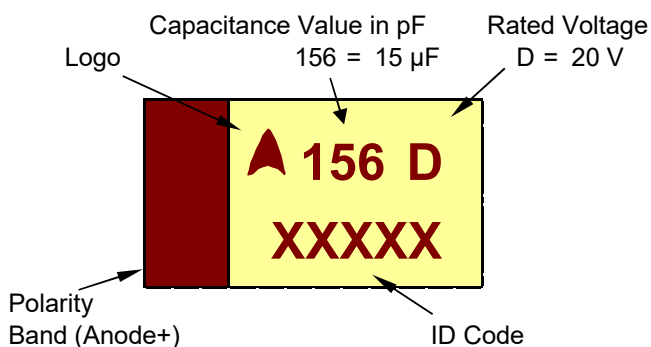
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards.

| 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 |
| 206 | 186 | 82 | 412 | 371 | 165 |

HOW TO ORDER:

| | | | | | | |
|------|-----------|-------------------|----------------|----------|-----------|--------|
| TAJ | B | 156 | * | 020 | # | NJ |
| 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 ± 0.2 | W $+0.2 -0.1$ | H $+0.2 -0.1$ | A $+0.3 -0.2$ | S min. | W1 ± 0.2 |
| 3528-21 | B | 3.5 | 2.8 | 1.9 | 0.8 | 1.4 | 2.2 |

PACKAGING INFORMATION:

| Reel Size (#) | R = 7" Reel Pure Tin Termination | S = 13" Reel Pure Tin Termination | A = 7" Reel Gold Plated Termination | B = 13" Reel Gold Plated Termination |
|---------------|-------------------------------------|--------------------------------------|--|---|
| Quantity | 2000 | 8000 | 2000 | 8000 |
| Tape Width | 8 mm | 8 mm | 8 mm | 8 mm |

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