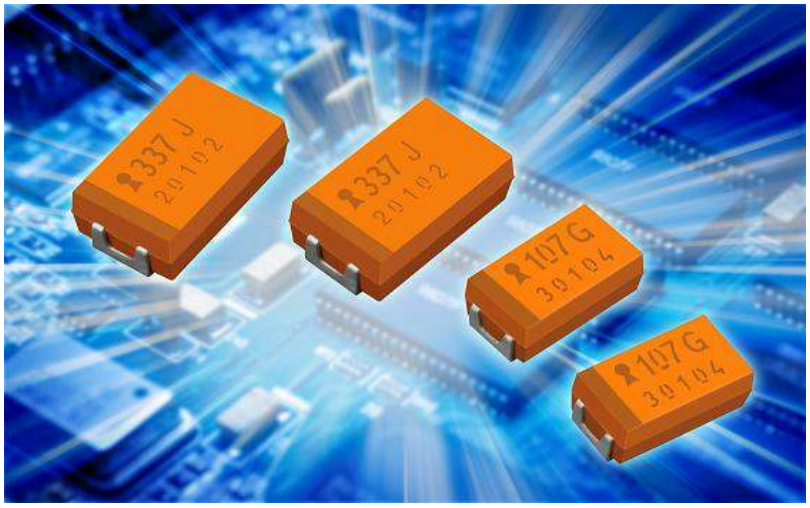
# OxiCap® – NOJ Niobium Oxide Capacitor

## PRODUCT SPECIFICATIONS :

| | | |
|---|---|---|
| Nominal Capacitance @ 120Hz | 15 µF | |
| Capacitance Tolerance (*) | M = ± 20% | |
| Rated Voltage DC ($V_R$) | ≤ 85°C | 4 V |
| Category Voltage DC ($V_C$) | ≤ 105°C | 2.7 V |
| Surge Voltage ($V_S$) | ≤ 85°C | 5.2 V |
| | ≤ 105°C | 3.4 V |
| Temperature Range | -55°C to +105°C | |
| Direct Leakage Current max. @ $V_R$ | 1.2 µA | |
| Dissipation Factor max. @ 120Hz | 6 % | |
| ESR max. @ 100kHz | 2 Ohm | |
| Typical weight (A case) | 25 mg | |




RoHS COMPLIANT

NON-BURN NON-SMOKE

LEAD-FREE

LEAD-FREE COMPATIBLE COMPONENT



Elektra Award 2005

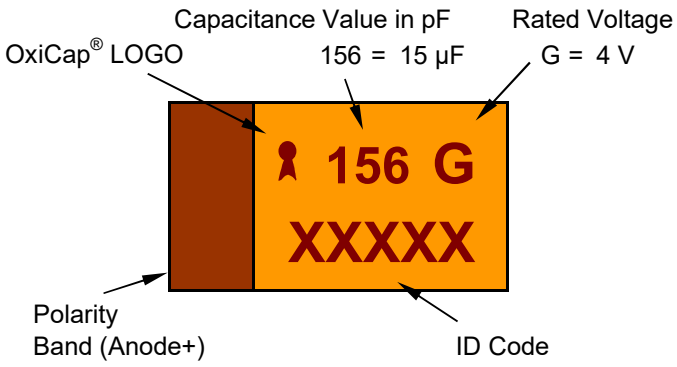
*Moisture sensitivity level: Meets MSL 1*
*Reflow specification: meets J-STD-020 standard*
*Meets requirements of AEC-Q200*
*100% surge current tested*
*All technical data relates to an ambient temperature of +25°C, Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured 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*

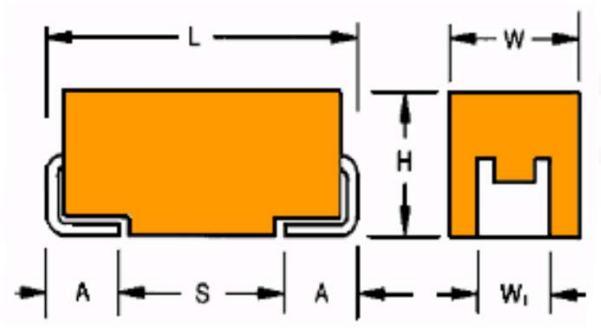
| RMS value of Ripple Current (mA) @100kHz | | | RMS value of Ripple Voltage (mV) @100kHz | | |
|---|---|---|---|---|---|
| 25˚C | 85˚C | 105˚C | 25˚C | 85˚C | 105˚C |
| 212 | 191 | 85 | 424 | 382 | 170 |

## HOW TO ORDER:

| NOJ | A | 156 | M | 004 | # | WJ |
|---|---|---|---|---|---|---|
| Type | Case code | Capacitance Value | Cap. Tolerance | Rated DC | Packaging | Suffix |

## DRAWING AND DIMENSIONS:




Niobium oxide capacitors are manufactured and sold under patent license from Cabot Corporation, Boyertown, Pennsylvania U.S.A.

# OxiCap® – NOJ Niobium Oxide Capacitor

## 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 |
| 3216-18 | A | 3.2 | 1.6 | 1.6 | 0.8 | 1.1 | 1.2 |

## PACKAGING INFORMATION:

| Reel Size (#) | R = 7” Reel<br>Pure Tin Termination | S = 13” Reel<br>Pure Tin Termination |
|---|---|---|
| Quantity | 2000 | 8000 |
| Tape Width | 8 mm | 8 mm |

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