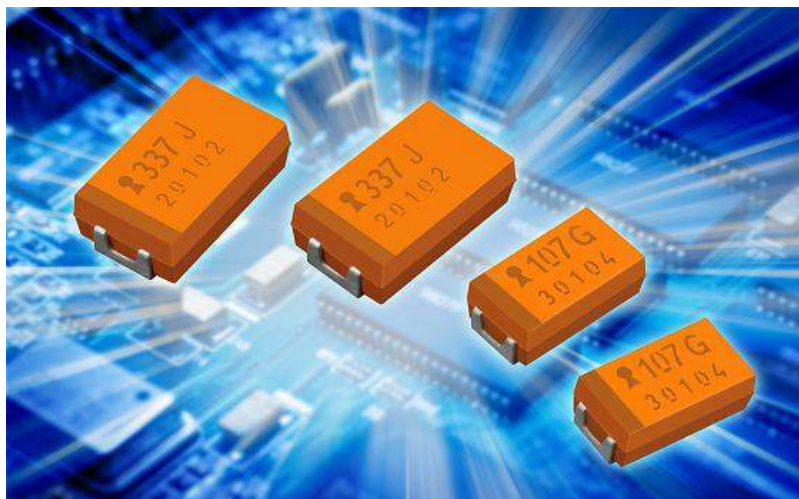


OxiCap® – NOJ Niobium Oxide Capacitor



PRODUCT SPECIFICATIONS :

| | |
|--|---|
| Nominal Capacitance @ 120Hz | 47 μ F |
| Capacitance Tolerance (*) | M = \pm 20% |
| Rated Voltage DC (V _R) | \leq 85°C 2.5 V |
| Category Voltage DC (V _C) | \leq 105°C 1.7 V |
| Surge Voltage (V _S) | \leq 85°C 3.3 V \leq 105°C 2.2 V |
| Temperature Range | -55°C to +105°C |
| Direct Leakage Current max. @ V _R | 2.4 μ A |
| Dissipation Factor max. @ 120Hz | 8 % |
| ESR max. @ 100kHz | 1.6 Ohm |
| Typical weight (A case) | 25 mg |



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 |
| 237 | 213 | 95 | 379 | 342 | 152 |

HOW TO ORDER:

NOJ

Type

A

Case code

476

Capacitance
Value

M

Cap.
Tolerance

002

Rated
DC

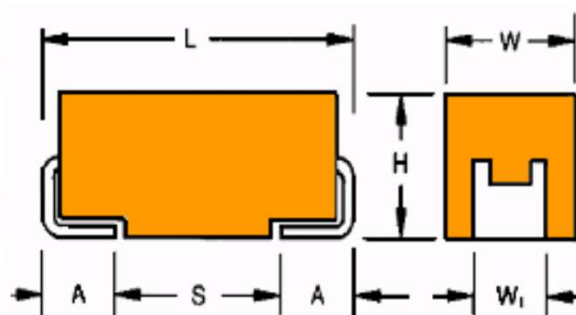
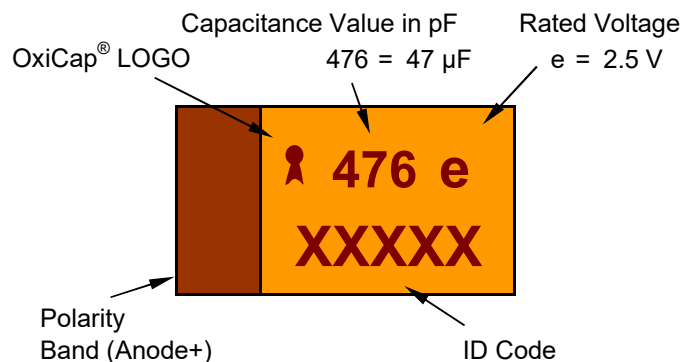
#

Packaging

WJ

Suffix

DRAWING AND DIMENSIONS:



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 Pure Tin Termination | S = 13" Reel Pure Tin Termination |
|---------------|-------------------------------------|--------------------------------------|
| Quantity | 2000 | 8000 |
| Tape Width | 8 mm | 8 mm |

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