

OxiCap® – NOS Low ESR NbO Capacitor



PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	47 μ F
Capacitance Tolerance (*)	M = \pm 20%
Rated Voltage DC (V _R)	\leq 85°C 8 V
Category Voltage DC (V _C)	< 105°C 7 V
	< 125°C 4 V
Surge Voltage (V _S)	\leq 85°C 10 V
	< 105°C 8 V
	< 125°C 5.3 V

Temperature Range -55°C to +125°C

Direct Leakage Current max. @ V_R 7.5 μ A

Dissipation Factor max. @ 120Hz 10 %

ESR max. @ 100kHz 0.4 Ohm

Typical weight (C case) 154 mg

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

ESR allowed to move up to 1.25 times catalogue limit post mounting

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



Elektra
Award
2005

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
574	517	230	230	207	92

HOW TO ORDER:

NOS

Type

C

Case code

476

Capacitance
Value

M

Cap.
Tolerance

008

Rated
DC

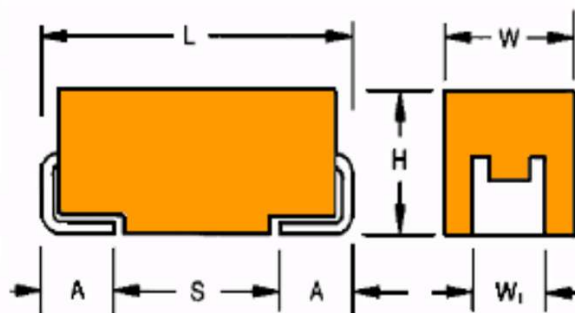
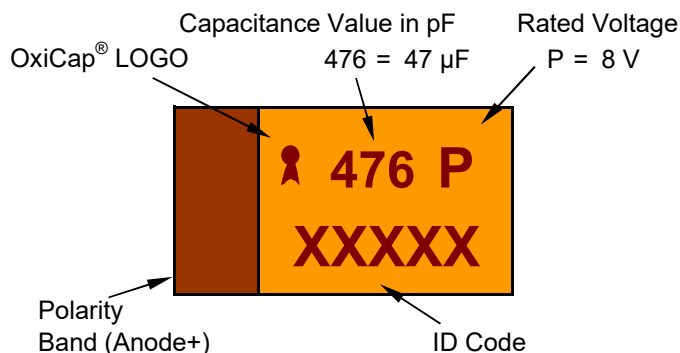
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Packaging

0400

ESR
in mOhms

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
6032-28	C	6.0	3.2	2.6	1.3	2.9	2.2

PACKAGING INFORMATION:

Reel Size (#)	R = 7" Reel Pure Tin Termination	S = 13" Reel Pure Tin Termination
Quantity	500	3000
Tape Width	12 mm	12 mm

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