

# OxiCap<sup>®</sup> – NOS Low ESR NbO Capacitor



## PRODUCT SPECIFICATIONS :

Nominal Capacitance @ 120Hz	47 $\mu$ F	
Capacitance Tolerance (*)	M = $\pm$ 20%	
Rated Voltage DC (V <sub>R</sub> )	$\leq$ 85°C	6.3 V
Category Voltage DC (V <sub>C</sub> )	< 105°C	4 V
	< 125°C	3 V
Surge Voltage (V <sub>S</sub> )	$\leq$ 85°C	8 V
	< 105°C	5 V
	< 125°C	4 V



Temperature Range	-55°C to +125°C	
Direct Leakage Current max. @ V <sub>R</sub>	5.6 $\mu$ A	
Dissipation Factor max. @ 120Hz	6 %	
ESR max. @ 100kHz	0.5 Ohm	
Typical weight (B case)	57 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

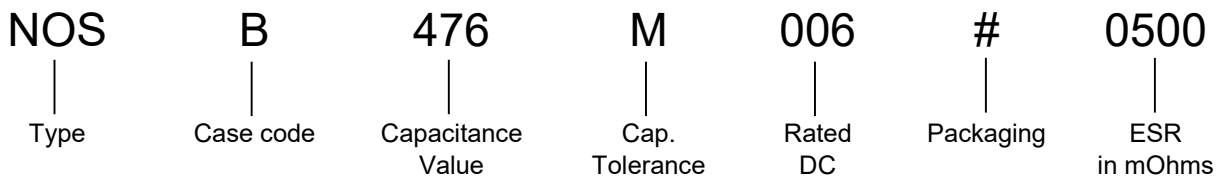
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards



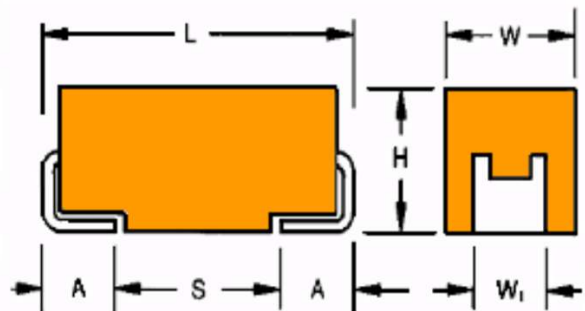
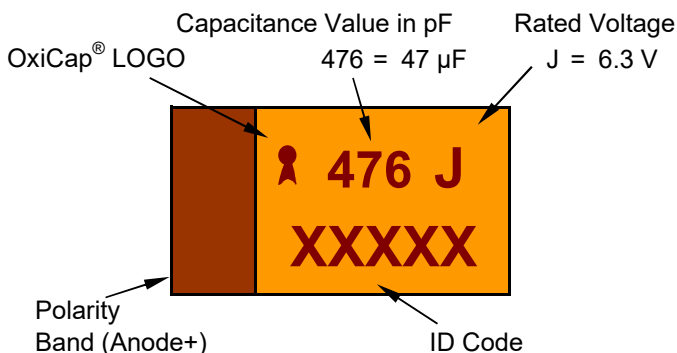
Elektra Award 2005

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
452	406	181	226	203	90

## HOW TO ORDER:



## DRAWING AND DIMENSIONS:



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## CASE DIMENSIONS: millimetres

Case		L ±0.2	W +0.2 –0.1	H +0.2 –0.1	A +0.3 –0.2	S min.	W1 ±0.2
EIA	Size						
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
Quantity	2000	8000
Tape Width	8 mm	8 mm

Issued by: KYOCERA AVX Technical Marketing Team  
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