

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	6.3 V
Category Voltage DC (V _C)	< 105°C	4 V
	< 125°C	3 V
Surge Voltage (V _S)	\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 _R	5.7 μ A	
Dissipation Factor max. @ 120Hz	6 %	
ESR max. @ 100kHz	0.3 Ohm	
Typical weight (C case)	154 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

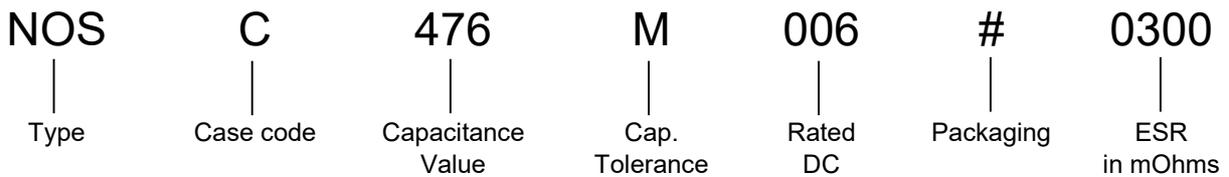
All technical data relates to an ambient temperature of +25°C, Capacitance and DF are measured at 120Hz, 0.5RMS with DC bias of 2.2V. DCL is measured at rated voltage after 5 minutes

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

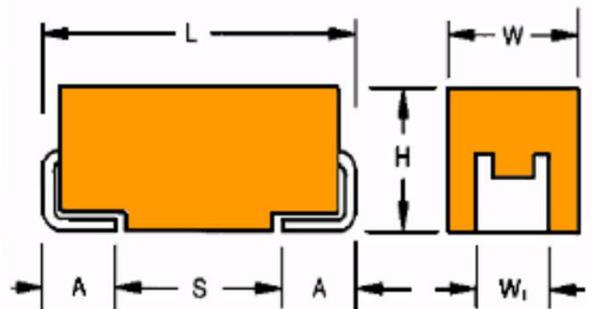
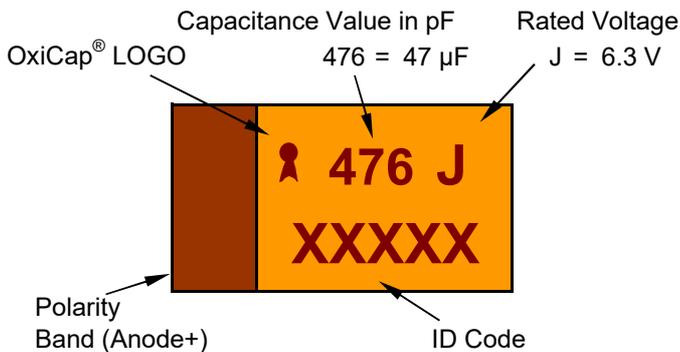
KYOCERA AVX reserves the rights to supply higher voltage rating in the same case size, to the same reliability standards

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
663	597	265	199	179	80

HOW TO ORDER:



DRAWING AND DIMENSIONS:



OxiCap[®] – NOS Low ESR NbO Capacitor



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						
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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