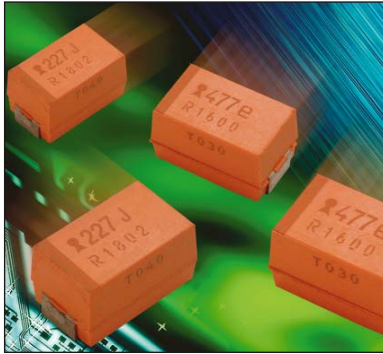


# OxiCap™ NOM Low ESR Multianodes

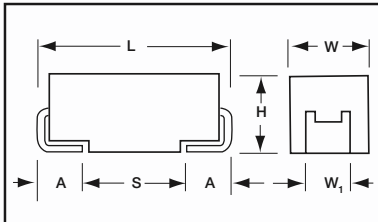


## Niobium Oxide Capacitor



Low ESR down to 30mΩ and high ripple current are the key parameters of the multianode construction within the E case package available now with niobium oxide anode – OxiCap™ product family.

Niobium oxide technology benefits such as high resistance and non-burn together with excellent reliability and reduced derating are maintained within this multi-anode series.



### CASE DIMENSIONS: millimeters (inches)

Code	EIA Code	L±0.20 (0.008)	W+0.20 (0.008) -0.10 (0.004)	H+0.20 (0.008) -0.10 (0.004)	W <sub>1</sub> ±0.20 (0.008)	A+0.30 (0.012) -0.20 (0.008)	S Min.
E	7343-43	7.30 (0.287)	4.30 (0.169)	4.10 (0.162)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)

W<sub>1</sub> dimension applies to the termination width for A dimensional area only.

### HOW TO ORDER

**NOM**

Type

**E**

Case Size

**227**

Capacitance Code  
1st two digits represent significant figures, 3rd digit represents multiplier in pF

**M**

Capacitance Tolerance  
M = ±20%

**006**

Rated DC Voltage  
001 = 1.8Vdc  
002 = 2.5Vdc  
004 = 4Vdc  
006 = 6.3Vdc

**R**

Packaging  
R = Lead Free 7" Reel  
S = Lead Free 13" Reel

**0040**

ESR  
ESR value in mOhms@100kHz

### TECHNICAL SPECIFICATIONS

Technical Data:	All technical data relate to an ambient temperature of +25°C is not stated				
Capacitance Range:	220 μF to 470 μF				
Capacitance Tolerance:	±20%				
Leakage Current DCL:	0.02CV				
Rated Voltage DC (V <sub>R</sub> )	≤+85°C:	1.8	2.5	4	6.3
Category Voltage (V <sub>C</sub> )	≤+125°C:	0.9	1.3	2	3
Surge Voltage (V <sub>S</sub> )	≤+85°C:	2.3	3.3	5.2	8
	≤+125°C:	1.2	1.7	2.6	4
Temperature Range:	-55°C to +125°C				
Reliability:	0.2% per 100 hours at 85°C, V <sub>R</sub> , 0.1Ω/V series impedance, 60% confidence level				



# OxiCap™ NOM Low ESR Multianodes

## Niobium Oxide Capacitor

### CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

Capacitance		Rated Voltage DC (V <sub>R</sub> ) to 85°C / 0.66 DC to 105°C / 0.5 DC to 125°C				
μF	Code	1.8V (x)	2.5V (e)	4.0V (G)	6.3V (J)	10V (A)
150	157					E(40)
220	227				E(40)	
330	337			E(35)	E(23,35)	
470	477		E(30)	E(23,30)		
680	687	E(23)	E(23)			
1000	108					

Developmental Ratings - subject to change



LEAD-FREE

LEAD-FREE COMPATIBLE  
COMPONENT



HALOGEN-FREE COMPOUNDS

ENVIRONMENTAL FRIENDLY  
COMPONENT



NON-BURN  
NON-SMOKE

### RATINGS & PART NUMBER REFERENCE

AVX Part No.	Case Size	Capacitance (μF)	Rated Voltage(V)	DCL (μA)	DF %	ESR Max. (mΩ)	100kHz Ripple Current Ratings (A)			100kHz Ripple Voltage Ratings (V)		
							25°C	85°C	125°C	25°C	85°C	125°C
<b>1.8 Volt @ 85°C (1.2 Volt @ 105°C / 0.9V @ 125°C)</b>												
NOME687M001#0023	E	680	1.8	24.5	6	23	3.753	3.378	1.501	0.086	0.078	0.035
<b>2.5 Volt @ 85°C (1.7 Volt @ 105°C / 1.3V @ 125°C)</b>												
NOME477M002#0030	E	470	2.5	23.5	10	30	3.286	2.958	1.315	0.099	0.089	0.039
NOME687M002#0023	E	680	2.5	34	6	23	3.753	3.378	1.501	0.086	0.078	0.035
<b>4 Volt @ 85°C (2.7 Volt @ 105°C / 2V @ 125°C)</b>												
NOME337M004#0035	E	330	4	26.4	8	35	3.043	2.738	1.217	0.106	0.096	0.043
NOME477M004#0023	E	470	4	37.6	6	23	3.753	3.378	1.501	0.086	0.078	0.035
NOME477M004#0030	E	470	4	37.6	6	30	3.286	2.958	1.315	0.099	0.089	0.039
<b>6.3 Volt @ 85°C (4 Volt @ 105°C / 3V @ 125°C)</b>												
NOME227M006#0040	E	220	6.3	26.4	12	40	2.846	2.561	1.138	0.114	0.102	0.046
NOME337M006#0023	E	330	6.3	39.6	6	23	3.753	3.378	1.501	0.086	0.078	0.035
NOME337M006#0035	E	330	6.3	39.6	6	35	3.043	2.738	1.217	0.106	0.096	0.043

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.

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