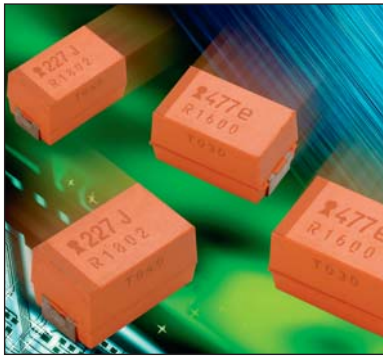


OxiCap® NOM Low ESR Multianodes

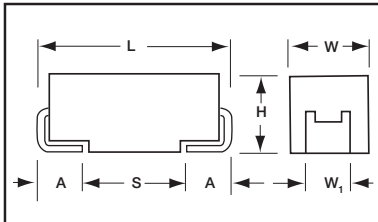


Niobium Oxide Capacitor



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 ₁ ±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)

W₁ 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
010 = 10Vdc

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:	150 μF to 680 μF						
Capacitance Tolerance:	±20%						
Leakage Current DCL:	0.02CV						
Rated Voltage DC (V _R)	≤+85°C:	1.8	2.5	4	6.3	10	
Category Voltage (V _C)	≤+125°C:	0.9	1.3	2	3	5	
Surge Voltage (V _S)	≤+85°C:	2.3	3.3	5.2	8	13	
	≤+125°C:	1.2	1.7	2.6	4	6.5	
Temperature Range:	-55°C to +125°C						
Reliability:	0.2% per 100 hours at 85°C, V _R , 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 _R) 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



RoHS
COMPLIANT



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
1.8 Volt @ 85°C (1.2 Volt @ 105°C / 0.9V @ 125°C)												
NOME687M001#0023	E	680	1.8	24.5	6	23	3.753	3.378	1.501	0.086	0.078	0.035
2.5 Volt @ 85°C (1.7 Volt @ 105°C / 1.3V @ 125°C)												
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
4 Volt @ 85°C (2.7 Volt @ 105°C / 2V @ 125°C)												
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
6.3 Volt @ 85°C (4 Volt @ 105°C / 3V @ 125°C)												
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. MSL level: see packaging and reel label.

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