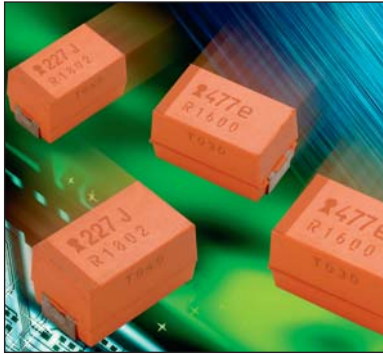


OxiCap® NOM Low ESR Multianodes



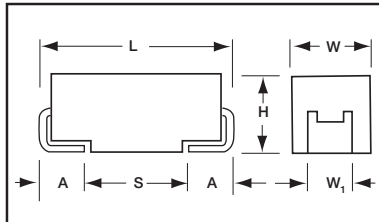
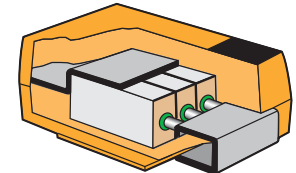
Niobium Oxide Capacitor



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.

NOM MULTIANODE CONSTRUCTION



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)
150	157				
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				



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.

