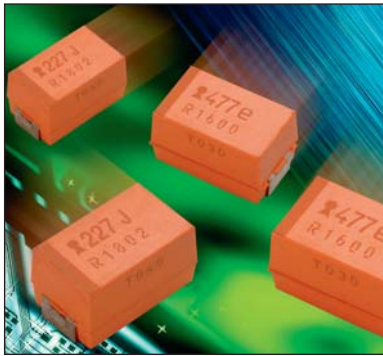


# NBM Multianodes

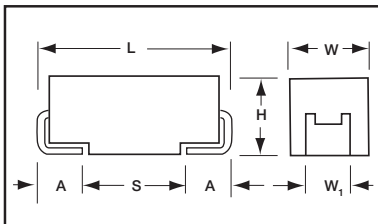


## OxiCap® Ultra Low ESR Capacitor COTS-Plus Weibull Grade



NBM OxiCap® capacitors are the COTS-Plus version of the popular NOM Low ESR multianode capacitor. Capacitors are available to Weibull failure rates B and C along with surge current testing per

MIL-PRF-55365 Rev. G. Niobium oxide technology offers non-burn characteristics along with excellent reliability and reduced derating.



### 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.

## 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)	6.0V (J)
150	157				
220	227				E(40)
330	337			E(35)	E(23)
470	477		E(30)	E(23)	
680	687	E(23)	E(23)		
1000	108				

Available Ratings: ESR limits quoted in brackets (mOhms)

## TECHNICAL SPECIFICATIONS

Technical Data:	All technical data relate to an ambient temperature of +25°C is not stated				
Capacitance Range:	220 μF to 680 μF				
Capacitance Tolerance:	±20%				
Leakage Current DCL:	0.02CV				
Rated Voltage DC (V <sub>R</sub> )	≤+85°C:	1.8	2.5	4	6
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				



### HOW TO ORDER

NBM	E	227	*	006	C	□	#	@	0	^	++
Type	Case Size	Capacitance Code pF code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow)	Capacitance Tolerance M = ±20%	Voltage Code 001 = 1.8Vdc 002 = 2.5Vdc 004 = 4Vdc 006 = 6Vdc	Standard or Low ESR Range L = Low ESR	Packaging B = Bulk R = 7" T&R S = 13" T&R W = Waffle  See page 6 for additional packaging options.	Inspection Level S = Std. Conformance L = Group A D = DSCC DWG	Reliability Grade Weibull: B = 0.1%/1000 hrs. 90% conf. C = 0.01%/1000 hrs. 90% conf.	Qualification Level 0 = N/A	Termination Finish H = Solder Plated 0 = Fused Solder Plated 8 = Hot Solder Dipped 9 = Gold Plated 7 = Matte Sn (COTS-Plus only)	Surge Test Option 00 = None 23 = 10 Cycles, +25°C 24 = 10 Cycles, -55°C & +85°C 45 = 10 cycles, -55°C & +85°C before Weibull

Not RoHS Compliant



### 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, 0.9 Volt @ 125°C)</b>												
NBME687M001C□SB07++	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, 1.3 Volt @ 125°C)</b>												
NBME477M002C□SB07++	E	470	2.5	23.5	10	30	3.286	2.958	1.315	0.099	0.089	0.039
NBME687M002C□SB07++	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, 2 Volt @ 125°C)</b>												
NBME337M004C□SB07++	E	330	4	26.4	8	35	3.043	2.738	1.217	0.106	0.096	0.043
NBME477M004C□SB07++	E	470	4	37.6	6	23	3.753	3.378	1.501	0.086	0.078	0.035
<b>6 Volt @ 85°C (4 Volt @ 105°C, 3 Volt @ 125°C)</b>												
NBME227M006C□SB07++	E	220	6	26.4	12	40	2.846	2.561	1.138	0.114	0.102	0.046
NBME337M006C□SB07++	E	330	6	39.6	6	23	3.753	3.378	1.501	0.086	0.078	0.035

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.