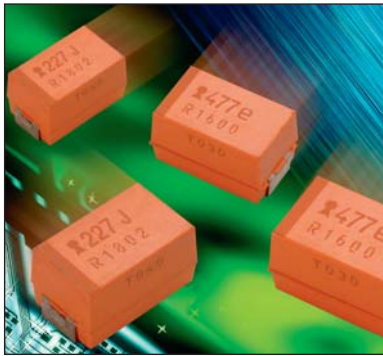


NBM Multianodes

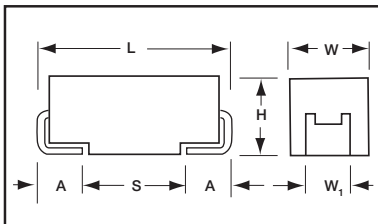


OxiCap® Ultra Low ESR Capacitor COTS-Plus Weibull Grade



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. 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 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.

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)	6.0V (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				

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 _R)	≤+85°C:	1.8	2.5	4	6
Category Voltage (V _C)	≤+125°C:	0.9	1.3	2	3
Surge Voltage (V _S)	≤+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	Capacitance Tolerance	Voltage Code	Standard or Low ESR Range	Packaging	Inspection Level	Reliability Grade	Qualification Level	Termination Finish	Surge Test Option
		pF code: 1st two digits represent significant figures 3rd digit represents multiplier (number of zeros to follow)	M = ±20%	001 = 1.8Vdc 002 = 2.5Vdc 004 = 4Vdc 006 = 6Vdc	L = Low ESR	B = Bulk R = 7" T&R S = 13" T&R W = Waffle See page 6 for additional packaging options.	S = Std. Conformance L = Group A D = DSCC DWG	Weibull: B = 0.1%/1000 hrs. 90% conf. C = 0.01%/1000 hrs. 90% conf.	0 = N/A	H = Solder Plated 0 = Fused Solder Plated 8 = Hot Solder Dipped 9 = Gold Plated 7 = Matte Sn (COTS-Plus only)	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
1.8 Volt @ 85°C (1.2 Volt @ 105°C, 0.9 Volt @ 125°C)												
NBME687M001C□SB07++	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, 1.3 Volt @ 125°C)												
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
4 Volt @ 85°C (2.7 Volt @ 105°C, 2 Volt @ 125°C)												
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
6 Volt @ 85°C (4 Volt @ 105°C, 3 Volt @ 125°C)												
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.

Mouser Electronics

Authorized Distributor

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[AVX:](#)

[NBME477M004CBSB0700](#) [NBME337M006CBSB0700](#) [NBME227M006CBSB0700](#) [NBME337M006LBSZ0000](#)
[NBME477M004LBSZ0000](#)