



















	Product Name	Rated Capacitance <sup>1</sup> (F)	Rated Voltage (V), 65°C/85°C	ESR <sub>DC</sub> <sup>1</sup> (mohm)	Leakage Current <sup>2</sup> (mA)	Max. Continuous Current <sup>3</sup> (A <sub>RMS</sub> ) 15°C rise	Stored Energy <sup>4</sup> (Wh)	E <sub>max</sub> <sup>5</sup> (Wh/kg) 65°/85°C	P <sub>max</sub> <sup>6</sup> (W/kg)	Terminals	Length (mm)	Diameter (mm)	Weight (g)
	BCAP0001 P270 T01 <sup>8</sup>	1	2.70/2.30	700	0.006	0.4	0.001	0.9/0.7	2,400	Straight Lead	12	8	1.1
	BCAP0003 P270 T01 <sup>8</sup>	3.3	2.70/2.30	290	0.012	0.8	0.003	2.0/1.4	3,700	Straight Lead	20	10	1.7
	BCAP0005 P270 T01 <sup>8</sup>	5	2.70/2.30	170	0.015	1.1	0.005	2.2/1.6	4,700	Straight Lead	20	10	2.3
	BCAP0010 P270 T01 <sup>8</sup> BCAP0010 P270 T11 <sup>8</sup>	10	2.70/2.30	75	0.030	2.2	0.010	2.9/2.1	6,900	Straight Lead Bent Lead	30	10	3.5
	BCAP0025 P270 T01 <sup>8</sup> BCAP0025 P270 T11 <sup>8</sup>	25	2.70/2.30	42	0.045	2.8	0.025	3.4/2.4	5,800	Straight Lead Bent Lead	26	16	7.5
	BCAP0050 P270 T01 <sup>8</sup>	50	2.70/2.30	20	0.075	5.4	0.051	3.9/2.8	7,000	Straight Lead	40	18	13
	BCAP0100 P270 T01 <sup>8</sup> BCAP0100 P270 T07 <sup>8</sup>	100	2.70/2.30	15	0.260	6.7	0.101	4.4/3.2 4.6/3.3	5,300 5,500	Straight Lead Snap In	45	22	23 22
	BCAP0150 P270 T07 <sup>8</sup>	150	2.70/2.30	14	0.500	7.7	0.152	4.7/3.4	4,100	Snap In	50	25	32

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	BCAP0310 P270 T10 <sup>8</sup>	310	2.70	2.2	0.45	250	25	0.31	5.2	14,000	Radial Tab	69.2	33.3	60
	BCAP0350 E270 T11 <sup>8</sup>	350	2.70	3.2	0.30	170	21	0.35	5.9	9,500	Radial Tab	69.2	33.3	60
	BCAP0650 P270 K04 <sup>8</sup> BCAP0650 P270 K05 <sup>8</sup>	650	2.70	0.8	1.5	680	54	0.66	4.1	14,000	Threaded Weldable	79.5 57.86	60.4	160
	BCAP1200 P270 K04 <sup>8</sup> BCAP1200 P270 K05 <sup>8</sup>	1,200	2.70	0.58	2.7	930	70	1.22	4.7	12,000	Threaded Weldable	102 80.36	60.4	260
	BCAP1500 P270 K04 <sup>8</sup> BCAP1500 P270 K05 <sup>8</sup>	1,500	2.70	0.47	3.0	1,150	84	1.52	5.4	14,000	Threaded Weldable	113 91.28	60.4	280
	BCAP2000 P270 K04 <sup>8</sup> BCAP2000 P270 K05 <sup>8</sup>	2,000	2.70	0.35	4.2	1,500	110	2.03	5.6	14,000	Threaded Weldable	130 108.36	60.4	360
	BCAP3000 P270 K04 <sup>8</sup> BCAP3000 P270 K05 <sup>8</sup>	3,000	2.70	0.29	5.2	1,900	130	3.04	6.0	12,000	Threaded Weldable	166 144.36	60.4	510
	BCAP3400 P285 K04 <sup>8</sup> BCAP3400 P285 K05 <sup>8</sup>	3,400	2.85	0.28	18	2,000	131	3.84	7.4	14,000	Threaded Weldable	166 144.36	60.4	520

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 BMOD0058 E016 B02 <sup>9</sup>	58	16	22	25	170	12	2.1	3.3	4,600	IEC60068-2-6	Passive	750	5,600 VDC	226.5	49.5	76	0.63
 BMOD0500 P016 B01 <sup>9</sup> BMOD0500 P016 B02 <sup>9</sup>	500	16	2.1	5.2 170	1,900	100	18	3.2	5,500	SAE J2380	VMS 2.0 Passive	750	2,500 VDC	418	68	179	5.4
 BMOD0083 P048 B01	83	48	10	3.0	1,150	61	27	2.6	5,600	SAE J2380	VMS 2.0	750	2,500 VDC	418	194	126	10.3
 BMOD0165 P048 C01 <sup>9</sup>	165	48	6.0	N/A	1,900	79	53	N/A	N/A	ISO 16750-3, Table 12	CMS 2.0	750	2,750 VDC	418	194	179	14.2
 BMOD0189 P051 B2A	189	51	5.6	N/A	1,900	149	69	N/A	N/A	ISO 16750-3, Table 12	CMS 2.5	750	3,600 VDC	515	197	228	16.8
 BMOD0130 P056 B03 <sup>9</sup>	130	56	8.1	120	1,900	61	57	3.1	5,400	Telcordia GR-63 Zone 4	Passive	750	4,000 VDC	683	177	175	18
 BMOD0094 P075 B02	94	75	13	50	1,900	48	73	2.9	4,300	SAE J2380	Passive	750	2,500 VDC	515	263	220	25
 BMOD0063 P125 B04 BMOD0063 P125 B08	63	125	18	10	1,900	140	140	2.3	3,600	ISO16750-3 Table 14	VMS 2.0	1500	4,000 VDC	619	425	265	61 <sup>9</sup>
 BMOD0006 E160 B02	5.8	160	240	25	170	7.0	21	4.0	5,100	IEC60068-2-6	Passive	750	5,600 VDC	367	234	79.4	5.1

## FOOTNOTES

1. Capacitance and ESR<sub>DC</sub> measured at 25°C per Document Number "Application Note: Test Procedures for Capacitance, ESR, Leakage Current and Self-Discharge Characterizations of Ultracapacitors" available at www.maxwell.com.
2. After 72 hours at 25°C and rated voltage. Initial leakage current can be higher.
3. Max. continuous current to produce 15°C temperature increase over ambient and is valid beginning of life (BOL) only.
4.  $E_{\text{stored}} = \frac{\frac{1}{2} CV^2}{3,600}$ , at rated Voltage at 65°C.

5.  $E_{\text{max}} = \frac{\frac{1}{2} CV^2}{3,600 \times \text{mass}}$ , at rated Voltage at 65°C.
6.  $P_{\text{max}} = \frac{V^2}{4 \times \text{ESR}_{\text{DC}} \times \text{mass}}$ , at rated Voltage at 65°C.
7. Duration = 60 seconds. Not intended as an operating parameter.
8. UL810a Certified. Max string voltage may differ.
9. Without fan. With fan, weight is 63.4 kg.

### VMS/CMS: Voltage/Cell Management System

The information in this document is correct at time of printing and is subject to change without notice. Images not to scale.