

ECN/PCN No.: M1733

### For Manufacturer

<b>Product Description:</b>  1200F HIGH CAPACITANCE SUPERCAPACITOR	<b>Abracon Part Number / Part Series:</b>  ADCS-E02R7SA128Q	<input type="checkbox"/> Documentation only <input checked="" type="checkbox"/> ECN <input type="checkbox"/> EOL	<input type="checkbox"/> Series <input checked="" type="checkbox"/> Part Number(s)
<b>Affected Revision:</b> A	<b>New Revision:</b> B	<b>Application:</b>	<input type="checkbox"/> Safety <input checked="" type="checkbox"/> Non-Safety

**Prior to Change:**

### Electrical Specifications

Part Number	Rated Voltage (U <sub>R</sub> )	Capacitance	Tolerance	ESR (Max)		Continuous Current (Max)	Peak Current (Max)	Leakage Current	Stored Energy (Max)	Gravimetric Energy Density
				AC ESR (mΩ)	DC ESR (mΩ)					
ADCS-E02R7S	DC (V)	Farads	See Part number Identifier	AC ESR (mΩ)	DC ESR (mΩ)	A	A	mA	Wh	Wh/kg
ADCS-E02R7SA128	2.7	1200	Q,M	0.40	0.55	70	976	2.80	1.2150	4.67
ADCS-E02R7SA158	2.7	1500	Q, M	0.33	0.45	84	1209	3.00	1.5188	5.42
ADCS-E02R7SA208	2.7	2000	Q, M	0.25	0.35	110	1588	4.20	2.0250	5.63
ADCS-E02R7SA308	2.7	3000	Q, M	0.22	0.26	130	2275	5.20	3.0375	6.08

### Mechanical Dimensions

Dimensions	ØD ±0.5	L ±0.5
ADCS-E02R7SA128	2.387[60.5]	2.952[75]
ADCS-E02R7SA158	2.387[60.5]	3.346[85]
ADCS-E02R7SA208	2.387[60.5]	4.133[105]
ADCS-E02R7SA308	2.387[60.5]	5.433[138]

**After Change:**

### Electrical Specifications

Part Number	Rated Voltage (U <sub>R</sub> )	Capacitance	Tolerance	ESR (Max)		Continuous Current (Max)	Peak Current (Max)	Leakage Current	Stored Energy (Max)	Gravimetric Energy Density
				AC ESR (mΩ)	DC ESR (mΩ)					
ADCS-E02R7S	DC (V)	Farads	See Part number Identifier	AC ESR (mΩ)	DC ESR (mΩ)	A	A	mA	Wh	Wh/kg
ADCS-E02R7SA128	2.7	1200	Q, M	0.40	0.55	63	976	3.000	1.2150	4.26
ADCS-E02R7SA158	2.7	1500	Q, M	0.33	0.45	84	1209	3.00	1.5188	5.42
ADCS-E02R7SA208	2.7	2000	Q, M	0.25	0.35	110	1588	4.20	2.0250	5.63
ADCS-E02R7SA308	2.7	3000	Q, M	0.22	0.26	130	2275	5.20	3.0375	6.08

**Mechanical Dimensions**

Dimensions	ØD ±0.5	L ±0.5
ADCS-E02R7SA128	2.387[60.5]	2.913[74]
ADCS-E02R7SA158	2.387[60.5]	3.346[85]
ADCS-E02R7SA208	2.387[60.5]	4.133[105]
ADCS-E02R7SA308	2.387[60.5]	5.433[138]

**Cause/Reason for Change:**

Updating mechanical specs and electrical specs

**Change Plan**
**Effective Date:**

6/24/2026

**Additional Remarks:**
**Change Declaration:**

Small mechanical change may affect product fit. The minor electrical changes should not affect the products performance. Please carefully review.

**Issued Date:**

6/24/2026

**Issued By:**
*Gerald Capwell*
**Issued Department:**

Engineering

**Approval:**
*Gerald Capwell*  
 Director, Engineering

**Approval:**
*Reuben Quintanilla*  
 Quality Director

**Approval:**
*Ying Huang*  
 Purchasing Director

**For Abracon EOL only**
**Last Time Buy (if applicable):**
**Alternate Part Number / Part Series:**
**Additional Approval:**
**Additional Approval:**
**Additional Approval:**
**Customer Approval (If Applicable)**
**Qualification Status:**
 Approved  Not accepted

*Note: It is considered approved if there is no feedback from the customer 1 month after ECN/PCN is released.*
**Customer Part Number:**
**Customer Project:**
**Company Name:**
**Company Representative:**
**Representative Signature:**
**Customer Remarks:**