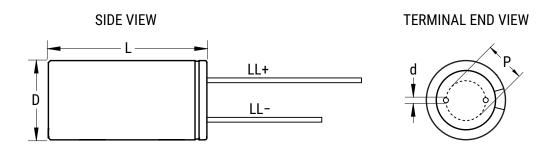
# **Single-Ended Aluminum Electrolytic Capacitors**



## **Sample Kit Contents**

KEMET Part Number	VDC	VDC Surge Voltage	Rated Capacitance 120 Hz 20°C (µF)	Case Size D x L (mm)	DF 120 Hz (tan δ %)	LC 20°C 2 Minutes (µA)	Quantity
					25°C		
ESH105M100AC3AA	100	125	1.0	5 x 11	10	3.0	10
ESH106M100AE3AA	100	125	10	6.3 x 11	10	10.0	10
ESH476M100AH9AA	100	125	47	10 x 12.5	10	47.0	10
ESH477M100AM2AA	100	125	470	16 x 32	10	470.0	5
ESH107M160AL4AA	160	200	100	13 x 25	15	490.0	10
ESH106M200AH9AA	200	250	10	10 x 12.5	15	70.0	10
ESH107M200AM7AA	200	250	100	16 x 25	15	610.0	5
ESH106M350AH2AA	350	400	10	10 x 15	20	115.0	10
ESH106M400AH2AA	400	450	10	10 x 15	20	130.0	10
ESH106M450AH4AA	450	500	10	10 x 20	20	145.0	10
ESH157M450AN7AA	450	500	150	18 x 45	20	2,035.0	3
ESH476M450AM7AA	450	500	47	16 x 25	20	644.5	5
ESH107M450AN2AA	450	500	100	18 x 36	20	1,360.0	3
ESH226M500AL4AA	500	550	22	13 x 25	25	540.0	5
					20°C		
ESG157M500AQ5AA	500	550	150	22 x 45	24	4,510.0	3

### **Dimensions - Millimeters**



Size Code	D		L		р		d		LL+/LL-	
	Nominal	Tolerance								
C3	5	±0.5	11	+1.5/-0	2	±0.5	0.5	Nominal	20/15	Minimum
E3	6.3	±0.5	11	+1.5/-0	2.5	±0.5	0.5	Nominal	20/15	Minimum
H9	10	±0.5	12.5	+1.5/-0	5	±0.5	0.6	Nominal	20/15	Minimum
H2	10	±0.5	15	+2.0/-0	5	±0.5	0.6	Nominal	20/15	Minimum
H4	10	±0.5	20	+2.0/-0	5	±0.5	0.6	Nominal	20/15	Minimum
L4	13	±0.5	25	+2.0/-0	5	±0.5	0.6	Nominal	20/15	Minimum
М7	16	±0.5	25	+2.0/-0	7.5	±0.5	0.8	Nominal	20/15	Minimum
M2	16	±0.5	32	+2.0/-0	7.5	±0.5	0.8	Nominal	20/15	Minimum
N2	18	±0.5	36	+2.0/-0	7.5	±0.5	0.8	Nominal	20/15	Minimum
N7	18	±0.5	45	+2.0/-0	7.5	±0.5	0.8	Nominal	20/15	Minimum
Q5	22	±0.5	45	+2.0/-0	10.0	±0.5	0.8	Nominal	20/15	Minimum



#### **KEMET Electronics Corporation Sales Offices**

For a complete list of our global sales offices, please visit www.kemet.com/sales.

#### **Disclaimer**

YAGEO Corporation and its affiliates do not recommend the use of commercial or automotive grade products for high reliability applications or manned space flight.

All product specifications, statements, information and data (collectively, the "Information") in this datasheet are subject to change. The customer is responsible for checking and verifying the extent to which the Information contained in this publication is applicable to an order at the time the order is placed. All Information given herein is believed to be accurate and reliable, but it is presented without guarantee, warranty, or responsibility of any kind, expressed or implied.

Statements of suitability for certain applications are based on KEMET Electronics Corporation's ("KEMET") knowledge of typical operating conditions for such applications, but are not intended to constitute – and KEMET specifically disclaims – any warranty concerning suitability for a specific customer application or use. The Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by KEMET with reference to the use of KEMET's products is given gratis, and KEMET assumes no obligation or liability for the advice given or results obtained.

Although KEMET designs and manufactures its products to the most stringent quality and safety standards, given the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage.

Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated or that other measures may not be required.

KEMET requires its products to be packaged and shipped on pallets. This is because KEMET's products are specifically designed to be packed onto pallets during shipment. If for any reason, the products are removed from pallets by the shipping party and shipped to the end customer, then additional external protection is required. In this instance, an external box with two carton layers and an upwards orientation sticker must be used by the shipping party, with the empty space filled with filling material, and afterwards sealing the box. If this packing and packaging guideline is not followed by the shipping party, the shipping party, and not KEMET, will be held responsible for any packaging, packing and/or product damages upon delivery of the products to the end customer. KEMET hereby disclaims any liability for damages to the products or otherwise that have been, or threaten to be, inflicted, result from or are in any way related to the packaging, packing or damage by the shipping party in contravention of the packaging guidelines herein.