

Overview

The KEMET ESU radial aluminum electrolytic capacitors are designed for long life (up to 12,000 hours) applications.

Applications

Typical applications include electronic lighting and power.

Benefits

- Long life, up to 12,000 hours
- Operating temperature of up to +105°C
- Safety vent on the capacitor base



Part Number System

ESU	336	M	160	A	H8	AA
Series	Capacitance Code (pF)	Tolerance	Rated Voltage (VDC)	Electrical Parameters	Size Code	Packaging
Radial Aluminum Electrolytic	First two digits represent significant figures for capacitance values. Last digit specifies the number of zeros to be added.	M = ±20%	160 = 160 200 = 200 250 = 250 350 = 350 400 = 400 450 = 450	A = Standard	See Dimension Table	See Ordering Options Table

Table 1 – Ratings & Part Number Reference

Rated Voltage	Surge Voltage	Rated Capacitance	Case Size	DF	RC	LC	Part Number
(VDC)	(VDC)	120 Hz 20°C (µF)	D x L (mm)	120 Hz 20°C (tanδ %)	100 Hz 105°C (mA)	20°C 2 minutes (µA)	() Represents Part Number Options
160	200	33.0	10 x 16	15	500	311.2	ESU336M160AH8(1)
160	200	47.0	10 x 20	15	580	400.8	ESU476M160AH4(1)
160	200	68.0	13 x 20	15	720	535.2	ESU686M160AL3(1)
160	200	100.0	13 x 25	15	970	740.0	ESU107M160AL4(1)
160	200	150.0	16 x 25	15	1120	1060.0	ESU157M160AM7(1)
160	200	220.0	16 x 32	15	1300	1508.0	ESU227M160AM2(1)
160	200	330.0	18 x 36	15	1380	2212.0	ESU337M160AN2(1)
160	200	560.0	18 x 50	15	2086	3684.0	ESU567M160AN9(1)
200	250	22.0	10 x 16	15	500	276.0	ESU226M200AH8(1)
200	250	33.0	10 x 20	15	520	364.0	ESU336M200AH4(1)
200	250	47.0	13 x 20	15	660	476.0	ESU476M200AL3(1)
200	250	68.0	13 x 25	15	720	644.0	ESU686M200AL4(1)
200	250	100.0	16 x 25	15	1120	900.0	ESU107M200AM7(1)
200	250	150.0	16 x 32	15	1620	1300.0	ESU157M200AM2(1)
200	250	220.0	18 x 32	15	2080	1860.0	ESU227M200AN1(1)
200	250	390.0	18 x 50	15	3380	3220.0	ESU397M200AN9(1)
250	300	10.0	10 x 16	15	320	200.0	ESU106M250AH8(1)
250	300	22.0	10 x 20	15	500	320.0	ESU226M250AH4(1)
250	300	33.0	13 x 20	15	800	430.0	ESU336M250AL3(1)
250	300	47.0	13 x 20	15	980	570.0	ESU476M250AL3(1)
250	300	100.0	16 x 25	15	1530	1100.0	ESU107M250AM7(1)
250	300	150.0	18 x 25	15	1940	1600.0	ESU157M250AN5(1)
250	300	220.0	18 x 36	15	2753	2300.0	ESU227M250AN2(1)
250	300	330.0	18 x 50	15	3912	3400.0	ESU337M250AN9(1)
350	400	6.8	10 x 16	20	280	195.2	ESU685M350AH8(1)
350	400	10.0	10 x 20	20	350	240.0	ESU106M350AH4(1)
350	400	22.0	13 x 20	20	650	408.0	ESU226M350AL3(1)
350	400	33.0	13 x 25	20	900	562.0	ESU336M350AL4(1)
350	400	47.0	16 x 25	20	1000	758.0	ESU476M350AM7(1)
350	400	68.0	16 x 32	20	1100	1052.0	ESU686M350AM2(1)
400	450	6.8	10 x 16	20	140	208.8	ESU685M400AH8(1)
400	450	10.0	10 x 20	20	180	260.0	ESU106M400AH4(1)
400	450	22.0	13 x 20	20	430	452.0	ESU226M400AL3(1)
400	450	33.0	16 x 25	20	520	628.0	ESU336M400AM7(1)
400	450	47.0	16 x 20	20	852	520	ESU476M400AM5(1)
400	450	47.0	16 x 32	20	700	852.0	ESU476M400AM2(1)
400	450	68.0	18 x 32	20	870	1188.0	ESU686M400AN1(1)
400	450	100.0	18 x 50	20	1290	1700.0	ESU107M400AN9(1)
450	500	10.0	10 x 20	20	180	280.0	ESU106M450AH4(1)
450	500	15.0	13 x 20	20	380	370.0	ESU156M450AL3(1)
450	500	22.0	13 x 25	20	500	496.0	ESU226M450AL4(1)
450	500	33.0	16 x 25	20	560	694.0	ESU336M450AM7(1)
450	500	47.0	16 x 36	20	880	946.0	ESU476M450AM3(1)
450	500	68.0	16 x 36	20	1110	1324.0	ESU686M450AM3(1)
450	500	100.0	18 x 50	20	1560	1900.0	ESU107M450AN9(1)
VDC		Rated Capacitance	Case Size	DF	RC	LC	Part Number

(1) Insert packaging code. See Ordering Options Table for available options.