

Overview

The KEMET ESZ radial aluminum electrolytic capacitors are designed for long life (up to 10,000 hours) applications.

Applications

Typical applications include electronic ballast.

Benefits

- Long life, up to 10,000 hours
- Operating temperature of up to +105°C
- Safety vent on the capacitor base



Part Number System

| ESZ | 336 | M | 160 | A | H4 | 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 = 200 400 = 400 450 = 450 | A = Standard | See Dimension Table | See Ordering Options Table |

Table 1 – Ratings & Part Number Reference

| VDC | VDC Surge Voltage | Rated Capacitance 120 Hz 20°C (µF) | Case Size D x L (mm) | DF 120 Hz 20°C (tan δ %) | RC 120 Hz 105°C (mA) | LC 20°C 2 Minutes (µA) | Part Number |
|-----|-------------------|--|-------------------------|--------------------------------|----------------------------|---------------------------------|------------------|
| 160 | 200 | 33 | 10 x 20 | 20 | 250 | 311.2 | ESZ336M160AH4(1) |
| 160 | 200 | 47 | 10 x 20 | 20 | 290 | 400.8 | ESZ476M160AH4(1) |
| 160 | 200 | 47 | 12.5 x 20 | 20 | 330 | 400.8 | ESZ476M160AK5(1) |
| 160 | 200 | 68 | 13 x 25 | 20 | 360 | 535.2 | ESZ686M160AL4(1) |
| 160 | 200 | 68 | 16 x 20 | 20 | 380 | 535.2 | ESZ686M160AM5(1) |
| 160 | 200 | 100 | 13 x 25 | 20 | 485 | 740.0 | ESZ107M160AL4(1) |
| 160 | 200 | 100 | 16 x 20 | 20 | 560 | 740.0 | ESZ107M160AM5(1) |
| 160 | 200 | 100 | 16 x 25 | 20 | 560 | 740.0 | ESZ107M160AM7(1) |
| 160 | 200 | 100 | 18 x 20 | 20 | 560 | 740.0 | ESZ107M160AN4(1) |
| 160 | 200 | 150 | 16 x 25 | 20 | 600 | 1060.0 | ESZ157M160AM7(1) |
| 160 | 200 | 150 | 16 x 32 | 20 | 650 | 1060.0 | ESZ157M160AM2(1) |
| 160 | 200 | 150 | 18 x 25 | 20 | 650 | 1060.0 | ESZ157M160AN5(1) |
| 160 | 200 | 220 | 16 x 32 | 20 | 650 | 1508.0 | ESZ227M160AM2(1) |
| 160 | 200 | 220 | 18 x 25 | 20 | 650 | 1508.0 | ESZ227M160AN5(1) |
| 160 | 200 | 330 | 18 x 36 | 20 | 690 | 2212.0 | ESZ337M160AN2(1) |
| 200 | 250 | 22 | 10 x 20 | 20 | 220 | 276.0 | ESZ226M200AH4(1) |
| 200 | 250 | 33 | 10 x 20 | 20 | 260 | 364.0 | ESZ336M200AH4(1) |
| 200 | 250 | 33 | 12.5 x 20 | 20 | 290 | 364.0 | ESZ336M200AK5(1) |
| 200 | 250 | 47 | 13 x 20 | 20 | 330 | 476.0 | ESZ476M200AL3(1) |
| 200 | 250 | 68 | 13 x 25 | 20 | 360 | 644.0 | ESZ686M200AL4(1) |
| 200 | 250 | 68 | 16 x 20 | 20 | 380 | 644.0 | ESZ686M200AM5(1) |
| 200 | 250 | 100 | 16 x 25 | 20 | 560 | 900.0 | ESZ107M200AM7(1) |
| 200 | 250 | 150 | 16 x 32 | 20 | 640 | 1300.0 | ESZ157M200AM2(1) |
| 400 | 450 | 6.8 | 10 x 20 | 24 | 75 | 208.8 | ESZ685M400AH4(1) |
| 400 | 450 | 10 | 10 x 20 | 24 | 90 | 260.0 | ESZ106M400AH4(1) |
| 400 | 450 | 22 | 16 x 20 | 24 | 150 | 452.0 | ESZ226M400AM5(1) |
| 400 | 450 | 33 | 16 x 25 | 24 | 260 | 628.0 | ESZ336M400AM7(1) |
| 400 | 450 | 47 | 16 x 32 | 24 | 350 | 852.0 | ESZ476M400AM2(1) |
| 400 | 450 | 68 | 18 x 32 | 24 | 435 | 1188.0 | ESZ686M400AN1(1) |
| 450 | 500 | 3.3 | 10 x 16 | 24 | 50 | 159.4 | ESZ335M450AH8(1) |
| 450 | 500 | 4.7 | 10 x 20 | 24 | 70 | 184.6 | ESZ475M450AH4(1) |
| 450 | 500 | 6.8 | 10 x 20 | 24 | 75 | 222.4 | ESZ685M450AH4(1) |
| 450 | 500 | 6.8 | 12.5 x 20 | 24 | 90 | 222.4 | ESZ685M450AK5(1) |
| 450 | 500 | 10 | 12.5 x 20 | 24 | 155 | 280.0 | ESZ106M450AK5(1) |
| 450 | 500 | 22 | 16 x 25 | 24 | 280 | 496.0 | ESZ226M450AM7(1) |
| 450 | 500 | 22 | 18 x 20 | 24 | 275 | 496.0 | ESZ226M450AN4(1) |
| 450 | 500 | 33 | 16 x 32 | 24 | 310 | 694.0 | ESZ336M450AM2(1) |
| 450 | 500 | 33 | 18 x 25 | 24 | 295 | 694.0 | ESZ336M450AN5(1) |
| 450 | 500 | 47 | 16 x 36 | 24 | 440 | 946.0 | ESZ476M450AM3(1) |
| 450 | 500 | 47 | 18 x 32 | 24 | 440 | 946.0 | ESZ476M450AN1(1) |
| VDC | VDC Surge | Rated Capacitance | Case Size | DF | RC | LC | Part Number |

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