

+105°C Low Impedance Surface Mount Aluminum Electrolytic

Part Number: 107AXZ025M



This part is RoHS compliant

Electrical Specifications

Capacitance: 100 uF

Tolerance: -20 %, +20 %

WVDC: 25 volts DC

SVDC: 32 volts DC

Dissipation Factor:
0.14 at 120 Hz, 20°C

Temperature Range:
-55°C to +105°C

Impedance:
0.34000000000000002 Ohms Max at
100 kHz and 20°C

Impedance Ratios:
-40°C/20°C - 2
-55°C/20°C - 3

ESR:
2.32 Ohms at 120 Hz and 20°C

Ripple Current:
290 mA at 100 kHz and 20°C

Leakage Current:
.01CV or 3uA, whichever is greater
25.0 uA after 2 Minutes

Load Life:
1000 Hours at 105°C with 100% of rated
voltage and with 0% of rated ripple
current

Frequency Multipliers

50 Hz	120 Hz	400 Hz	1 KHz	10 KHz	100 KHz
0.6	0.7	0.7	0.85	0.95	1

Temperature Multipliers

45°C	60°C	65°C	70°C	75°C	85°C	105°C	125°C
2	2	2	2	1.7	1.7	1	0

Physical Specifications

Diameter (D):	6.3 mm + 0.5 mm
Length (L):	7.7 mm + 0.3 mm
Pad Spacing(C):	7.3 mm +/- 0.2 mm
Lead Width (R):	0.5 mm to 0.8 mm
Lead Spacing (P):	2.2 mm +/- 0.2 mm
Pad Length(H):	6.6 mm +/- 0.2 mm
Pad Width(W):	6.6 mm +/- 0.2 mm

