

## 506FSR300XZ2JA

PHOTOFLASH ALUMINUM ELECTROLYTIC CAPACITORS

Parts are RoHS compliant

Date code when parts became RoHS: 1327

**APPLICATIONS:** Photoflash, strobes, Security systems

### ELECTRICAL SPECIFICATIONS

**Capacitance:** 50  $\mu$ F

**Dissipation Factor:** 0.06 Max at 120 Hz and 20°C

**Temperature Range:** -20°C to +55°C

**Impedance:** N/A

**Tolerance:** -20 %, +50 %

**WVDC:** 300 Volts DC

**SVDC:** 320 Volts DC

**Ripple Current:** at and

**Impedance Ratios:** - and - -

**Leakage Current:** 1°C

50  $\mu$ A after 5 Minutes

**Charge/discharge:** 5000 charge/discharge cycles at rated voltage & 5~35°C repeating every 30 seconds thru a Xe tube having a discharge resistance of 0.7 to 1 Ohm

**Capacitance Change:**  $\leq$ 10% of initial measured value

**Dissipation Factor:**  $\leq$ 150% of maximum specified value

**Leakage Current:**  $\leq$ 150% of maximum specified value

#### Frequency Multipliers:

50 HZ	120 HZ	400 HZ	1 KHZ	10 KHZ	100 KHZ
1	1	1	1	1	1

#### Temperature Multipliers:

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

### PHYSICAL DIMENSIONS

**Diameter (D):** 9.2 mm + 0.3 mm

**Length (L):** 23 mm + 0.5 mm

**Lead Spacing (S):** 4.2 mm +/- 0.5 mm

**Coating:** BlackPVC sleeving

**Lead Wire Diameter (d):** 0.6 mm +/- 0.05 mm

**Lead Length:** 15 mm +/- MIN mm

**Lead Finish:** Matte Tin

