Environmental Properties

A. Raw Material Composition of Eurocap Electrolytics

Part Name	Raw Materials	Percentage weight of capacitor 5 x 11 mm	10 x 16 mm	18 x 35 mm
Aluminium Foil	Anode > 99.9% Al Cathode >99.4% Al	15.7	25.9	31
Lead Wire (a)	Lead Tab +ve >99.92% Lead Tab -ve >99.90% Lead Wire copper iron wire	25.3	9	3.3
Paper	Manila Hemp	4.7	8.1	9
Aluminium Can	Aluminium >99.9%	27.69	20.8	18.2
Rubber	Ethylene Propylene Tarpolymer	11.8	17.2	14.8
Sleeve (b)	Polyvinyl Chloride	6.1	4.2	2.8
Electrolyte	Ethylene Glycol	6.5	14.1	20.5
Tape for Element	Polypropylene	2	0.7	0.4

As can be seen from the above table, a trend can be established for the the varying percentage as the case size of the component increases.

B. Hazardous Sustances

The EACEM list of Hazardous Substances is used as a guideline.
The list has been drawn up the European Association of Consumer Electronics Manufacturers. They stipulate allowed concentrations (ppm mg/Kg).
We draw to your attention:
(a) Lead is present in the tin plating on the Copper ply lead wire for soldering in percentages 3 to 5%
The maximum concentration based on EACEM for lead is 100 mg/Kg
(b) The sleeve of all electrolytic capacitors is made from Poly Vinyl Chloride. If this is burned, there is a possible occurance of Hydrochloric Acid Gas.
The maximum concentration based on EACEM for Poly Vinyl Chloride is 1000mg/Kg

C. CFC, Asbestos and Cadmium

The use or inclusion of CFCs, asbestos and Cadmium for production of materials, parts and appliances is prohibited by our factory.

D. Disposal

It is recommended that in the case of disposal either of the following actions be taken:
(a) Consignment to specialists of industrial waste.
(b) Controlled incineration after crushing the capacitor body.

Please note that all Eurocap Capacitors are manufactured to the Japanese Industrial Standard C5141.

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