

Type ESRD, ESRE, ESRH, SPA Material Content Declaration

SMT Solid Polymer Aluminum Electrolytic Capacitors



Material Content for RoHS Compliant Lead Free Parts

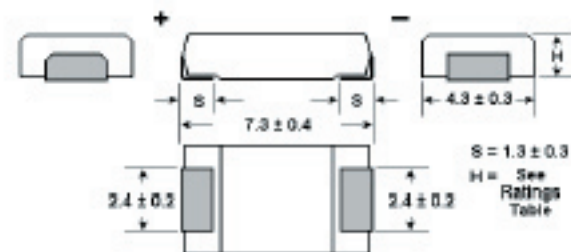
Construction Element	Material Group	Materials	CAS if Applicable	Typical Mass (Wt. %)	ppm	Sum (%)
Active Part	Metals	Ag (paste)	7440-22-4	13.7	137000	25.9
	Oxides	Manganese Dioxide	131-13-9	0.2	2000	
	Metals	Al (foil)	7429-90-5	10.3	103000	
	Polymers	Polypyrrole		1.7	17000	
Encapsulation	Polymers	Epoxide (brominated)		1.2	12000	47.3
	Polymers	Epoxy resin		44.9	449000	
	Oxides	Sb ₂ O ₃	1309-64-4	1.2	12000	
Termination	Metal	Fe		26.4	264000	26.8
	Metal	Sn (solder finish)	7440-31-5	0.4	4000	
					Total	100.0

Backward and Forward Compatible: Yes

MSL: Level 3

Case Sizes, Weight and Outline Drawing

Case Size DxLxH (mm)	Weight (g)
7.3x4.3x1.1	0.10
7.3x4.3x1.8	0.13
7.3x4.3x2.8	0.21
7.3x4.3x4.2	0.29



Dimensions in mm

080609

To the best of our knowledge, the information provided on the enclosed is correct as of the date indicated on the document. Since some of the information is provided by the acceptance of data from sources outside of Cornell Dubilier Electronics, we can not guarantee that all is complete and accurate.