

MATERIAL DECLARATION SHEET



Material Number	CGA0402MLC Series			
Product Line	ChipGuard Automotive ESD Protectors			
Compliance Date	2013/9/12			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material / Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Ceramic Body	Substrate	0.567	Aluminum oxide	1344-28-1	100.00	85.58	85.58
		Internal Electrode	0.0159	Platinum	7440-06-4	93.71	2.25	
				Silicon dioxide	7631-86-9	6.29	0.15	
		Paste	0.0266	Zinc oxide	01314-13-2	77.07	3.09	4.02
				Bismuth trioxide	1304-76-3	12.78	0.51	
				Silicon dioxide	7631-86-9	10.15	0.41	
		Overcoat	0.0169	Polymer (Epoxy)	25068-38-6	100.00	2.55	2.55
2	End Termination	Terminations	0.0166	Silver	7440-22-4	100.00	2.51	2.51
3	External electrode	Terminations External electrode	0.0195	Nickel	7440-02-0	85.13	2.51	2.94
				Tin	7440-31-5	14.87	0.44	
		Total weight	0.6625					

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Important remarks: It is the responsibility of the user to verify they are accessing the latest version.