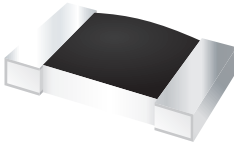


MATERIAL DECLARATION SHEET



Material Number	CG0201MLC-05H			
Product Line	ESD Protection Products			
Compliance Date	2017/9/25			
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	0.0621	Aluminum Oxide	1344-28-1	84.60%	78.02%	92.21%
		Internal Electrode (Conductor Ceramic)	0.0028	Platinum	7440-06-4	3.81%	3.52%	
			0.0002	Ceramic glass (non-lead)	65997-17-3	0.27%	0.25%	
		Paste	0.0049	Zinc oxide	1314-13-2	6.68%	6.16%	
			0.0008	Metal oxide	Proprietary	1.09%	1.01%	
			0.0006	Glass (non-lead)	65997-17-3	0.82%	0.75%	
		Overcoat	0.0020	Polymer(Epoxy)	Proprietary	2.72%	2.51%	
2	Terminations	Terminations	0.0026	Silver	7440-22-4	100.00%	3.27%	3.27%
3	External electrode	External electrode	0.0029	Nickel	7440-02-0	80.56%	3.64%	4.52%
			0.0007	Tin	7440-31-5	19.44%	0.88%	
Total weight			0.0796					

This Document was updated on: 2017/9/25