

# MATERIAL DECLARATION SHEET



Material Number	<b>CG0603MLC Series</b>			
Product Line	<b>Ultra-Low Capacitance MAX Guard ESD Suppressor</b>			
Compliance Date	<b>2014.Jun.11</b>			
RoHS Compliant	<b>Yes</b>	MSL	<b>1</b>	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Ceramic Substrate	CR****	0.001511405	Aluminum oxide	1344-28-1	96	67.36	70.17
				Silicon dioxide	14808-60-7	3	2.11	
				Magnesium oxide	1309-48-4	1	0.70	
2	Inner Conductor	Ti-W	0.000009127	Titanium	7440-32-6	90	0.34	0.38
				Tungsten	7440-33-7	10	0.04	
		Cu	0.000008014	Copper	7440-50-8	100	0.34	0.34
3	ESD Suppressor Element	Cu	0.000055262	Copper	7440-50-8	100	4.06	4.06
4	Over Coat	1***	0.000096831	Epoxy	25068-38-6	100	6.72	6.72
5	End Terminal	Ni-Cr	0.000001558	Nickel	7440-02-0	80	0.06	0.07
				Chromium	7440-47-3	20	0.01	
6	Ni Plating	Ni	0.000230391	Nickel	7440-02-0	100	9.65	9.65
7	Sn Plating	Sn	0.00020546	Tin	7440-31-5	100	8.61	8.61
			Total weight			0.002118		

This Document was updated on: **2014.06.11**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.