

Material Declaration
L101CXXX LF

Total mass: 0.490g

10-Jan-2006

Part Name	Breakdown of component	Material Name	Weight (mg)	Substance name	CAS No.	Composition by weight	
						(%)	(mg)
RoHS Compliant Conformal Coated SIP Thick Film Resistor Array	Substrate	Alumina	157.7	Aluminum oxide	1344-28-1	92.000	145.047
				Silica	7631-86-9	4.800	7.568
				Magnesium oxide	1309-48-4	2.400	3.784
				Calcium oxide	1305-78-8	0.800	1.261
	Thick film	Metals and Oxides	7.82	Silver	7440-22-4	62.474	4.885
				Lead monoxide (II)	1317-36-8	15.464	1.209
				Silica	7631-86-9	8.624	0.674
				Boron trioxide	1303-86-2	3.008	0.235
				Zinc oxide	1314-13-2	1.313	0.103
				Ruthenium oxide	12036-10-1	1.822	0.142
				Trilead tetroxide	1314-41-6	1.644	0.129
				Calcium oxide	1305-78-8	1.047	0.082
				Chromium oxide (III)	1308-38-9	0.486	0.038
				Aluminum oxide	1344-28-1	1.442	0.113
				Palladium	7440-05-3	0.654	0.051
				Manganese carbonate (II)	598-62-9	0.181	0.014
				Tantalum oxide (V)	1314-61-0	0.141	0.011
				Copper	7440-50-8	0.327	0.026
				Copper oxide (I)	1317-38-0	0.327	0.026
				Copper oxide (II)	1317-39-1	0.327	0.026
				Bismuth oxide	1304-76-3	0.327	0.026
				Rest	-	0.392	0.031
	Conformal coat and Marking	Epoxy / Acrylic	166.5	Biphenyl A7 epichlorhydrin based epoxy resin	25068-38-6	30.000	49.950
				Silica	7631-86-9	30.000	49.950
				Aluminum hydroxide	24645-51-2	22.000	36.630
				TBBA epichlorhydrin oligomer	40039-93-8	10.870	18.099
				Trimellitic anhydride	552-30-7	3.500	5.828
				Antimony trioxide	1309-64-4	1.500	2.498
				Triphenyl phosphine	603-35-0	0.200	0.333
				C.I.pigment, red 144	5280-78-4	0.170	0.283
				Acrylic monomer oligomer	29570-58-9	0.125	0.208
				Carbon black	1333-86-4	0.042	0.070
				Sensitizer	21245-01-2	0.009	0.015
				Polyester	9002-88-4	0.004	0.007
				Polymerization initiator	947-19-3	0.004	0.007
				Rest	-	1.576	2.624
	Termination	Copper (Phosphor bronze) and Tin/Copper plating	93	Copper	7440-50-8	91.006	84.636
				Tin	7440-31-5	8.851	8.231
				Phosphorus	12185-10-3	0.105	0.098
				Zinc	7440-66-6	0.010	0.009
				Iron	7439-89-6	0.003	0.003
				Rest	-	0.025	0.023
	Solder	Lead-free solder	65	Tin	7440-31-5	96.500	62.725
				Silver	7440-22-4	3.000	1.950
				Copper	7440-50-8	0.500	0.325

Material Declaration
L101SXXX LF

Total mass: 0.482g

10-Jan-2006

Part Name	Breakdown of component	Material Name	Weight (mg)	Substance name	CAS No.	Composition by weight	
						(%)	(mg)
RoHS Compliant Conformal Coated SIP Thick Film Resistor Array	Substrate	Alumina	157.7	Aluminum oxide	1344-28-1	92.000	145.047
				Silica	7631-86-9	4.800	7.568
				Magnesium oxide	1309-48-4	2.400	3.784
				Calcium oxide	1305-78-8	0.800	1.261
	Thick film	Metals and Oxides	7.82	Silver	7440-22-4	62.474	4.885
				Lead monoxide (II)	1317-36-8	15.464	1.209
				Silica	7631-86-9	8.624	0.674
				Boron trioxide	1303-86-2	3.008	0.235
				Zinc oxide	1314-13-2	1.313	0.103
				Ruthenium oxide	12036-10-1	1.822	0.142
				Trilead tetroxide	1314-41-6	1.644	0.129
				Calcium oxide	1305-78-8	1.047	0.082
				Chromium oxide (III)	1308-38-9	0.486	0.038
				Aluminum oxide	1344-28-1	1.442	0.113
				Palladium	7440-05-3	0.654	0.051
				Manganese carbonate (II)	598-62-9	0.181	0.014
				Tantalum oxide (V)	1314-61-0	0.141	0.011
				Copper	7440-50-8	0.327	0.026
				Copper oxide (I)	1317-38-0	0.327	0.026
				Copper oxide (II)	1317-39-1	0.327	0.026
				Bismuth oxide	1304-76-3	0.327	0.026
				Rest	-	0.392	0.031
	Conformal coat and Marking	Epoxy / Acrylic	166.5	Biphenyl A7 epichlorhydrin based epoxy resin	25068-38-6	30.000	49.950
				Silica	7631-86-9	30.000	49.950
				Aluminum hydroxide	24645-51-2	22.000	36.630
				TBBA epichlorhydrin oligomer	40039-93-8	10.870	18.099
				Trimellitic anhydride	552-30-7	3.500	5.828
				Antimony trioxide	1309-64-4	1.500	2.498
				Triphenyl phosphine	603-35-0	0.200	0.333
				C.I.pigment, red 144	5280-78-4	0.170	0.283
				Acrylic monomer oligomer	29570-58-9	0.125	0.208
				Carbon black	1333-86-4	0.042	0.070
				Sensitizer	21245-01-2	0.009	0.015
				Polyester	9002-88-4	0.004	0.007
				Polymerization initiator	947-19-3	0.004	0.007
				Rest	-	1.576	2.624
	Termination	Steel and Tin/Copper plating	85	Iron	7439-89-6	93.425	79.411
				Copper	7440-50-8	2.060	1.751
				Tin	7440-31-5	3.650	3.103
				Manganese	7439-96-5	0.240	0.204
				Rest	-	0.625	0.531
	Solder	Lead-free solder	65	Tin	7440-31-5	96.500	62.725
				Silver	7440-22-4	3.000	1.950
				Copper	7440-50-8	0.500	0.325