


MATERIAL DATA SHEET

Material #	SOT-23-6 series	
Product Line		
Date	2011/10/5	
Rev. date	B	

COMPONENT DETILS

No.	Construction element	Material group	Material weight (mg)	Material	CAS if applicable	Average mass (%)	Sum(%)	Traces
1	Lead Frame	CU194	6.302	Cu	7440-50-8	RAL	40.32%	
				Fe	7439-89-6	2.1%-2.6%		
				P	7723-14-0	0.015%-0.15%		
				Zn	7440-66-6	0.05%-0.2%		
				Pb	7440/5/3	0.01%MAX		
				Silver	7740-22-4	Remark: Surface Plating		
2	Epoxy	Welding	0.0385	Ag	7440-22-4	60%-100%	0.25%	
3	Gold Wire	AU	0.160	Aurum	7440-57-5	99.99%	1.02%	
4	Mold Compound	EME-6710S	8.410	Silica Fused	60676-86-0	75.00%	53.81%	
				Epoxy cresol Novolac	29690-82-2	15.00%		
				Phendic Novolac	9003-35-4	8.00%		
				Antimony Trioxide	1309-64-4	2.00%		
5	Plating	0.690	Tin	7440-31-5	99.90%	4.41%	
6	Wafer	Wafer	0.029	Silicon (Si)	7440-21-3	100.00%	0.19%	
		Total weight	15.629					