


# MATERIAL DATA SHEET

Material #	<b>SOT-23-5 series</b>	
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	Substrate/Terminal	5.700	Cu	7440-50-8	RAL	37.28%	
				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	0.040	Ag	7440-22-4	60%-100%	0.26%	
3	Gold Wire	Conductor	0.180	Aurum	7440-57-5	99.99%	1.18%	
4	Mold Compound	Outer	8.670	Silica Fused	60676-86-0	75.00%	56.71%	
				Epoxy cresol Novolac	29690-82-2	15.00%		
				Phendic Novolac	9003-35-4	8.00%		
				Antimony Trioxide	1309-64-4	2.00%		
5	Plating	Protector	0.670	Tin	7440-31-5	99.90%	4.38%	
6	Wafer	Diode	0.029	Silicon (Si)	7440-21-3	100.00%	0.19%	
		Total weight	15.289					