

MATERIAL DATA SHEET

Material #	SOT-23 series (Halogen Free)	
Product Line		
Date	2011/10/5	
Rev. date	E	

COMPONENT DETILS

No.	Construction element	Material group	Material weight (mg)	Material	CAS if applicable	Average mass (%)	Sum(%)	Traces
1	Lead Frame	SDI	1.878	Nickel	7440-02-0	41.00%	24.02%	
				Manganese	7439-96-5	0.70%		
				Cobalt	7440-48-4	0.40%		
				Silicon	7440-21-3	0.20%		
				Chromium	7440-47-3	0.05%		
				Copper	7440-50-8	0.05%		
				Carbon	7440-44-0	0.01%		
				Iron	7439-89-6	56.59%		
				Silver	7440-22-4	1.00%		
2	Wire	Heraeus	0.02	Aurum	7440-57-5	100.00%	0.26%	
3	Mold Compound	HuaWei	5.68	Silica Fused	60676-86-0	60~90%	72.64%	
				Silica amorphous	7631-86-9	5~20%		
				Eoxy resin	Trade Secret	2~10%		
				Phenolic Resin	Trade Secret	2~10%		
				Carbon Resin	01333-86-4	<1%		
				Flame Retardand	Trade Secret	<5%		
4	Wafer	YanDong	0.115	Silicon	7440-21-3	95.50%	1.47%	
				Gold	7440-57-5	3.50%		
				Aluminum	7429-90-5	1.00%		
5	Plating	YSTIN	0.126	Tin	7440-31-5	100.00%	1.61%	
		Total weight		7.819				