

# MATERIAL DATA SHEET

Material #	<b>SOD-123 series (Halogen Free)</b>	
Product Line		
Date	2011/10/15	
Rev. date	E	

No.	Construction element	Material group	Material weight (mg)	Material	CAS if applicable	Average mass (%)	Sum(%)	Traces
1	Lead Frame	SDI	2.469	Nickel	7440-02-0	41.00%	25.31	
				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	0.01	Aurum	7440-57-5	100.00%	0.10	
3	Mold Compound	HuaWei	6.783	Silica Fused	60676-86-0	60~90%	69.54	
				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	0.350	Silicon	7440-21-3	95.50%	3.59	
				Gold	7440-57-5	3.50%		
				Aluminum	7429-90-5	1.00%		
5	Plating	YSTIN	0.142	Tin	7440-31-5	100.00%	1.46	
		Total weight	9.754					