

MATERIAL DATA SHEET



SMD Diodes Specialist

Material #	CDXW Series	
Product Line	SOD-123 series	
Date	2009/10/5	
Rev. date	C	

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	7740-48-4	0.40%		
				Silicon	7440-21-3	0.20%		
				Chromium	7440-47-3	0.05%		
				Copper	7440-50-8	0.05%		
				Carbon	7740-44-0	0.01%		
				Iron	7439-89-6	56.59%		
				Silver	7740-22-4	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	83.00%	69.54	
				Epoxy resin	29690-82-2	10.00%		
				Phenolic Resin	9003-35-4	6.50%		
				Carbon Black	1333-86-4	0.50%		
4	Wafer	YanDong	0.35	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					

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