



Plastic Package Melf Rectifier

Material Content Declaration					
Material name	Substance name e.g. Copper (Cu)	CAS no., if known	Substance mass (mg)	% OF Weight (%)	ppm Of Total Weight
Lead Frame 35.89%	Copper (Cu)	7440-50-8	46.0803	99.9787	358852.9
	Phosphorus (P)	7723-14-0	0.0005	0.0010	3.9
	Arsenic (As)	7440-38-2	0.0005	0.0010	3.9
	Tin (Sn)	7440-31-5	0.0005	0.0010	3.9
	Oxygen (O)	7782-44-7	0.0002	0.0005	1.6
	Sulfur (S)	7704-34-9	0.0055	0.0120	42.8
	Iron (Fe)	7439-89-6	0.0003	0.0007	2.3
	Nickel (Ni)	7440-02-0	0.0001	0.0003	0.8
	Bismuth (Bi)	7440-69-9	0.0009	0.0020	7.0
	Antimony (Sb)	1309-64-4	0.0009	0.0020	7.0
	Lead (Pb)	7439-92-1	0.0002	0.0005	1.6
	Zinc (Zn)	7440-66-6	0.0001	0.0003	0.8
		Total		46.09	
Solder Wafer 1.17%	Lead (Pb)	7439-92-1	1.3875	92.50	10,805.2
	Tin (Sn)	7440-31-5	0.0750	5.00	584.1
	Silver (Ag)	7440-22-4	0.0375	2.50	292.0
		Total		1.50	
Chip 1.34%	Silicon (Si)	7440-21-3	1.64	95.40	12,778.4
	Lead (Pb)	7439-92-1	0.08	4.60	616.2
		Total		1.72	
Molding 60.81%	Epoxy	38891-59-7	78.09	100.00	608,130.2
		Total		78.09	
Plating 0.79%	Tin (Sn)	7440-31-5	1.01	100.00	7,865.4
		Total		1.01	
	Total mass (mg)		128.41		