



SMX 1A 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 Wire 63.56%	Copper (Cu)	7440-50-8	49.7800	99.9787	635,430.5
	Phosphorus (P)	7723-14-0	0.0005	0.0010	6.3
	Arsenic (As)	7440-38-2	0.0005	0.0010	6.3
	Tin (Sn)	7440-31-5	0.0005	0.0010	6.3
	Oxygen (O)	7782-44-7	0.0003	0.0005	3.2
	Sulfur (S)	7704-34-9	0.0060	0.0120	76.5
	Iron (Fe)	7439-89-6	0.0003	0.0007	4.2
	Nickel (Ni)	7440-02-0	0.0002	0.0003	1.9
	Bismuth (Bi)	7440-69-9	0.0010	0.0020	12.7
	Antimony (Sb)	1309-64-4	0.0010	0.0020	12.7
	Lead (Pb)	7439-92-1	0.0003	0.0005	3.2
	Zinc (Zn)	7440-66-6	0.0002	0.0003	1.9
	Total			49.79	
Solder Wafer 0.99%	Lead (Pb)	7439-92-1	0.72	92.50	9,209.8
	Tin (Sn)	7440-31-5	0.04	5.00	497.8
	Silver (Ag)	7440-22-4	0.02	2.50	248.9
	Total		0.78		
Chip 0.97%	Silicon (Si)	7440-21-3	0.76	100.00	9,701.2
	Total		0.76		
Coating 0.71%	Si Rubber		0.56	100.00	7,148.3
	Total		0.56		
Molding 33.21%	Epoxy	25928-94-3	26.02	100.00	332,139.5
	Total		26.02		
Plating 0.56%	Tin (Sn)	7440-31-5	0.43	100.00	5,488.9
	Total		0.43		
	Total mass (mg)		78.34		