



DO201AD Axial-leaded 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 46.51%	Copper (Cu)	7440-50-8	557.960	99.9787	465,029.2
	Phosphorus (P)	7723-14-0	0.006	0.0010	4.7
	Arsenic (As)	7440-38-2	0.006	0.0010	4.7
	Tin (Sn)	7440-31-5	0.006	0.0010	4.7
	Oxygen (O)	7782-44-7	0.003	0.0005	2.3
	Sulfur (S)	7704-34-9	0.067	0.0120	55.8
	Iron (Fe)	7439-89-6	0.004	0.0007	3.1
	Nickel (Ni)	7440-02-0	0.002	0.0003	1.4
	Bismuth (Bi)	7440-69-9	0.011	0.0020	9.3
	Antimony (Sb)	1309-64-4	0.011	0.0020	9.3
	Lead (Pb)	7439-92-1	0.003	0.0005	2.3
	Zinc (Zn)	7440-66-6	0.002	0.0003	1.4
		Total		558.08	
Solder Wafer 0.23%	Lead (Pb)	7439-92-1	2.590	92.50	2,158.6
	Tin (Sn)	7440-31-5	0.14	5.00	116.7
	Silver (Ag)	7440-22-4	0.07	2.50	58.3
	Total		2.80		
Chip 0.30%	Silicon (Si)	7440-21-3	3.56	100.00	2,967.1
	Total		3.56		
Coating 0.19%	Si Rubber		2.3	100.00	1,916.9
	Total		2.30		
Molding 52.63%	Silica (SiO2)	14808-60-7	461.00	73.00	384,001.2
	Epoxy resin	29690-82-2	107.36	17.00	89,424.9
	Phenolic resin	9003-35-4	55.57	8.80	46,290.6
	Antimony trioxide(Sb)	1309-64-4	4.42	0.70	3,682.2
	Brominated epoxy re	40039-93-8	2.90	0.46	2,419.7
	Carbon Black	1333-86-4	0.25	0.04	210.4
	Total		631.50		
Plating 0.14%	Tin (Sn)	7440-31-5	1.6	100.00	1,333.5
	Total		1.60		
	Total mass (mg)		1,199.84		