



MD-S BRIDGE Rectifier

Material Content Declaration					
Material name	Substance name e.g. Copper (Cu), Gold (Au)	CAS no., if known	Substance mass (mg)	% OF Weight (%)	ppm Of Total Weight
Lead Frame 38.43%	Copper (Cu)	7440-50-8	51.5300	99.9775	384,232.3
	Phosphorus (P)	7723-14-0	0.0005	0.0010	3.8
	Arsenic (As)	7440-38-2	0.0005	0.0010	3.8
	Tin (Sn)	7440-31-5	0.0005	0.0010	3.8
	Oxygen (O)	7782-44-7	0.0003	0.0005	1.9
	Sulfur (S)	7704-34-9	0.0068	0.0132	50.8
	Iron (Fe)	7439-89-6	0.0003	0.0007	2.5
	Nickel (Ni)	7440-02-0	0.0002	0.0003	1.2
	Bismuth (Bi)	7440-69-9	0.0010	0.0020	7.7
	Antimony (Sb)	1309-64-4	0.0010	0.0020	7.7
	Lead (Pb)	7439-92-1	0.0003	0.0005	1.9
	Zinc (Zn)	7440-66-6	0.0002	0.0003	1.2
	Total		51.54		
Solder Wafer 3.27%	Lead (Pb)	7439-92-1	4.06	92.48	30,273.3
	Tin (Sn)	7440-31-5	0.22	5.01	1,640.4
	Silver (Ag)	7440-22-4	0.11	2.51	820.2
	Total		4.39		
Chip 2.36%	Silicon (Si)	7440-21-3	3.16	100.00	23,562.5
	Total		3.16		
Molding 55.68%	Epoxy	25928-94-3	74.67	100.00	556,775.2
	Total		74.67		
Plating 0.26%	Tin (Sn)	7440-31-5	0.35	100.00	2,609.8
	Total		0.35		
	Total mass (mg)		134.11		