



TO-252 (D-PAK) 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 55.58%	Copper (Cu)	7440-50-8	200.45000	99.8748	555121.7
	Phosphorus (P)	7723-14-0	0.01182	0.0059	32.7
	Arsenic (As)	7440-38-2	0.01182	0.0059	32.7
	Tin (Sn)	7440-31-5	0.01182	0.0059	32.7
	Oxygen (O)	7782-44-7	0.00590	0.0029	16.3
	Sulfur (S)	7704-34-9	0.14186	0.0707	392.9
	Iron (Fe)	7439-89-6	0.00780	0.0039	21.6
	Nickel (Ni)	7440-02-0	0.00355	0.0018	9.8
	Bismuth (Bi)	7440-69-9	0.02364	0.0118	65.5
	Antimony (Sb)	1309-64-4	0.02364	0.0118	65.5
	Lead (Pb)	7439-92-1	0.00590	0.0029	16.3
	Zinc (Zn)	7440-66-6	0.00355	0.0018	9.8
		Total		200.70	
Solder Wafer 0.36%	Lead (Pb)	7439-92-1	1.197	92.57	3,314.1
	Tin (Sn)	7440-31-5	0.065	5.01	179.2
	Silver (Ag)	7440-22-4	0.031	2.42	86.7
		Total		1.29	
Chip 0.61%	Silicon (Si)	7440-21-3	2.10	95.40	5,812.4
	Lead (Pb)	7439-92-1	0.10	4.60	276.9
		Total		2.20	
Molding 42.56%	Epoxy	38891-59-7	153.680	100.00	425,597.9
		Total		153.68	
Plating 0.89%	Tin (Sn)	7440-31-5	3.221	100.00	8,920.2
		Total		3.22	
	Total mass (mg)		361.09		