



TO220 Material Safety Data Sheet

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 62.79%	Copper (Cu)	7440-50-8	1181.9600	99.9787	627,811.7
	Phosphorus (P)	7723-14-0	0.0118	0.0010	6.3
	Arsenic (As)	7440-38-2	0.0118	0.0010	6.3
	Tin (Sn)	7440-31-5	0.0118	0.0010	6.3
	Oxygen (O)	7782-44-7	0.0059	0.0005	3.1
	Sulfur (S)	7704-34-9	0.1419	0.0120	75.4
	Iron (Fe)	7439-89-6	0.0078	0.0007	4.1
	Nickel (Ni)	7440-02-0	0.0035	0.0003	1.9
	Bismuth (Bi)	7440-69-9	0.0236	0.0020	12.6
	Antimony (Sb)	1309-64-4	0.0236	0.0020	12.6
	Lead (Pb)	7439-92-1	0.0059	0.0005	3.1
	Zinc (Zn)	7440-66-6	0.0035	0.0003	1.9
	Total			1,182.21	
Solder Wafer 0.44%	Lead (Pb)	7439-92-1	7.701	92.50	4,090.5
	Tin (Sn)	7440-31-5	0.416	5.00	221.0
	Silver (Ag)	7440-22-4	0.208	2.50	110.5
	Total			8.33	
Chip 0.39%	Silicon (Si)	7440-21-3	7.32	100.00	3,888.1
	Total			7.32	
Molding 36.32%	Epoxy	25928-94-3	683.8	100.00	363,208.3
	Total			683.80	
Plating 0.05%	Tin (Sn)	7440-31-5	1.01	100.00	536.5
	Total			1.01	
	Total mass (mg)		1,882.67		