



DO41 GPP Axial-leaded 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 Wire 64.93%	Copper (Cu)	7440-50-8	218.055	99.9794	649,205.1
	Phosphorus (P)	7723-14-0	0.002	0.0009	6.0
	Arsenic (As)	7440-38-2	0.002	0.0009	6.0
	Tin (Sn)	7440-31-5	0.002	0.0009	6.0
	Oxygen (O)	7782-44-7	0.001	0.0005	3.0
	Sulfur (S)	7704-34-9	0.026	0.0119	77.4
	Iron (Fe)	7439-89-6	0.001	0.0005	3.0
	Nickel (Ni)	7440-02-0	0.001	0.0005	3.0
	Bismuth (Bi)	7440-69-9	0.004	0.0018	11.9
	Antimony (Sb)	1309-64-4	0.004	0.0018	11.9
	Lead (Pb)	7439-92-1	0.001	0.0005	3.0
	Zinc (Zn)	7440-66-6	0.001	0.0005	3.0
	Total		218.10		
Solder Wafer 0.59%	Lead (Pb)	7439-92-1	1.83	92.42	5,448.4
	Tin (Sn)	7440-31-5	0.10	5.05	297.7
	Silver (Ag)	7440-22-4	0.05	2.53	148.9
	Total		1.980		
Chip 0.94%	Silicon (Si)	7440-21-3	3.01	95.40	8,961.5
	Lead (Pb)	7439-92-1	0.15	4.60	446.6
	Total		3.16		
Molding 33.27%	Silica (SiO ₂)	14808-60-7	81.57	73.00	242,853.0
	Epoxy resin	29690-82-2	19.00	17.00	56,554.8
	Phenolic resin	9003-35-4	9.83	8.80	29,275.4
	Antimony trioxide(Sb ₂ O ₃)	1309-64-4	0.78	0.70	2,328.7
	Brominated epoxy resin	40039-93-8	0.51	0.46	1,530.3
	Carbon Black	1333-86-4	0.04	0.04	133.1
	Total		111.74		
Plating 0.27%	Tin (Sn)	7440-31-5	0.90	100.00	2,679.5
	Total		0.90		
	Total mass (mg)		335.88		