



DO214AA (SMB) SCHOTTKY 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 31.19%	Copper (Cu)	7440-50-8	32.41	99.91	311,634.6
	Iron (Fe)	7439-89-6	0.02	0.06	192.3
	Phosphorus (P)	7723-14-0	0.01	0.03	96.2
	Total		32.44		
Solder 0.98%	Lead (Pb)	7439-92-1	0.95	92.50	9,134.6
	Tin (Sn)	7440-31-5	0.05	5.00	480.8
	Silver (Ag)	7440-22-4	0.02	2.50	192.3
	Total		1.02		
Chip 1.30%	Silicon(Si)	7440-21-3	1.262	93.5	12,134.6
	Silver (Ag)	7440-22-4	0.079	5.8	759.6
	Nickel (Ni)	7440-02-0	0.007	0.5	67.3
	Titanium(Ti)	7440-32-6	0.002	0.2	19.2
	Total		1.35		
Molding 65.86%	Silica (SiO ₂)	60676-86-0	50.77	74.11	488,173.1
	Aluminum hydroxide	21645-51-2	4.66	6.80	44,807.7
	Epoxy resin	29690-82-2	8.56	12.50	82,307.7
	Phenolic resin	9003-36-5	4.25	6.20	40,865.4
	carbon black	1333-86-4	0.26	0.39	2,500.0
	Total		68.50		
Plating 0.67%	Tin (Sn)	7440-31-5	0.69	100.00	6,634.6
	Total		0.69		
	Total mass (mg)		104.00		