



DO214AC (SMA) 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 35.89%	Copper (Cu)	7440-50-8	23.789	99.91	358916.7
	Iron (Fe)	7439-89-6	0.014	0.06	211.2
	Phosphorus (P)	7723-14-0	0.007	0.03	105.6
	Total		23.81		
Solder 1.17%	Lead (Pb)	7439-92-1	0.72	92.5	10,863.0
	Tin (Sn)	7440-31-5	0.04	5.0	603.5
	Silver (Ag)	7440-22-4	0.02	2.5	301.8
	Total		0.78		
Chip 1.34%	Silicon(Si)	7440-21-3	0.786	93.5	11,858.8
	Silver (Ag)	7440-22-4	0.049	5.8	739.3
	Nickel (Ni)	7440-02-0	0.004	0.5	60.4
	Titanium(Ti)	7440-32-6	0.001	0.2	15.1
	Total		0.84		
Molding 60.81%	Silica (SiO ₂)	60676-86-0	29.89	74.11	450,965.6
	Aluminum hydroxide	21645-51-2	2.74	6.80	41,339.8
	Epoxy resin	29690-82-2	5.04	12.50	76,041.0
	Phenolic resin	9003-36-5	2.50	6.20	37,718.8
	carbon black	1333-86-4	0.16	0.39	2,414.0
	Total		40.33		
Plating 0.79%	Tin (Sn)	7440-31-5	0.52	100.00	7,845.5
	Total		0.52		
	Total mass (mg)		66.28		