



**DO214AA (SMB) Rectifier**

<b>Material Content Declaration</b>					
<b>Material name</b>	<b>Substance name e.g. Copper (Cu), Gold (Au)</b>	<b>CAS no., if known</b>	<b>Substance mass (mg)</b>	<b>% OF Weight (%)</b>	<b>ppm Of Total Weight</b>
<b>Lead Frame 31.19%</b>	Copper (Cu)	7440-50-8	32.4335	99.9787	311,859.5
	Phosphorus (P)	7723-14-0	0.0003	0.0010	3.1
	Arsenic (As)	7440-38-2	0.0003	0.0010	3.1
	Tin (Sn)	7440-31-5	0.0003	0.0010	3.1
	Oxygen (O)	7782-44-7	0.0002	0.0005	1.6
	Sulfur (S)	7704-34-9	0.0039	0.0120	37.4
	Iron (Fe)	7439-89-6	0.0002	0.0007	2.1
	Nickel (Ni)	7440-02-0	0.0001	0.0003	0.9
	Bismuth (Bi)	7440-69-9	0.0006	0.0020	6.2
	Antimony (Sb)	1309-64-4	0.0006	0.0020	6.2
	Lead (Pb)	7439-92-1	0.0002	0.0005	1.6
	Zinc (Zn)	7440-66-6	0.0001	0.0003	0.9
		<b>Total</b>		<b>32.44</b>	
<b>Solder Wafer 0.98%</b>	Lead (Pb)	7439-92-1	0.94	92.50	9,072.1
	Tin (Sn)	7440-31-5	0.05	5.00	490.4
	Silver (Ag)	7440-22-4	0.03	2.50	245.2
		<b>Total</b>		<b>1.02</b>	
<b>Chip 1.30%</b>	Silicon (Si)	7440-21-3	1.35	100.00	12,980.7
		<b>Total</b>	<b>1.35</b>		
<b>Molding 65.86%</b>	Epoxy	25928-94-3	68.50	100.00	658,651.3
		<b>Total</b>	<b>68.50</b>		
<b>Plating 0.67%</b>	Tin (Sn)	7440-31-5	0.69	100.00	6,634.6
		<b>Total</b>	<b>0.69</b>		
	<b>Total mass (mg)</b>		<b>104.00</b>		