



**DO15 GPP Axial-leaded Rectifier**

<b>Material Content Declaration</b>					
<b>Material name</b>	<b>Substance name, e.g. Copper (Cu).</b>	<b>CAS no., if known</b>	<b>Substance mass (mg)</b>	<b>% OF Weight (%)</b>	<b>ppm Of Total Weight</b>
<b>Lead Wire 65.87%</b>	Copper (Cu)	7440-50-8	263.7300	99.9789	658,593.2
	Phosphorus (P)	7723-14-0	0.0026	0.0010	6.5
	Arsenic (As)	7440-38-2	0.0026	0.0010	6.5
	Tin (Sn)	7440-31-5	0.0026	0.0010	6.5
	Oxygen (O)	7782-44-7	0.0013	0.0005	3.3
	Sulfur (S)	7704-34-9	0.0316	0.0120	78.9
	Iron (Fe)	7439-89-6	0.0017	0.0007	4.3
	Nickel (Ni)	7440-02-0	0.0008	0.0003	2.0
	Bismuth (Bi)	7440-69-9	0.0052	0.0020	13.0
	Antimony (Sb)	1309-64-4	0.0052	0.0020	13.0
	Lead (Pb)	7439-92-1	0.0013	0.0005	3.2
	Zinc (Zn)	7440-66-6	0.0008	0.0003	2.0
	<b>Total</b>		<b>263.79</b>		
<b>Solder Wafer 0.60%</b>	Lead (Pb)	7439-92-1	2.155	92.50	5,381.5
	Tin (Sn)	7440-31-5	0.1165	5.00	290.9
	Silver (Ag)	7440-22-4	0.0582	2.50	145.3
		<b>Total</b>		<b>2.33</b>	
<b>Chip 0.83%</b>	Silicon (Si)	7440-21-3	3.32	100.00	8,290.8
		<b>Total</b>		<b>3.32</b>	
<b>Molding 32.42%</b>	Silica (SiO2)	14808-60-7	94.76	73.00	236,638.5
	Epoxy resin	29690-82-2	22.07	17.00	55,107.6
	Phenolic resin	9003-35-4	11.42	8.80	28,526.3
	Antimony trioxide(Sb)	1309-64-4	0.91	0.70	2,269.1
	Brominated epoxy re	40039-93-8	0.60	0.46	1,491.1
	Carbon Black	1333-86-4	0.05	0.04	129.7
	<b>Total</b>		<b>129.81</b>		
<b>Plating 0.28%</b>	Tin (Sn)	7440-31-5	1.2	100.00	2,996.7
		<b>Total</b>		<b>1.20</b>	
	<b>Total mass (mg)</b>		<b>400.44</b>		