



**SOT23 Diodes**

<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 30.94%</b>	Copper (Cu)	7440-50-8	0.0024	0.088	272.0
	Iron (Fe)	7439-89-6	1.8990	68.705	212,570.5
	Cobalt (Co)	7440-48-4	0.0049	0.176	544.0
	Silver (Ag)	7440-22-4	0.0648	2.344	7,253.6
	Nickel (Ni)	7440-02-0	0.7929	28.687	88,755.7
	<b>Total</b>			<b>2.76</b>	
<b>Chip 0.51%</b>	Silicon (Si)	7440-21-3	0.0424	93.08	4,741.7
	Gold (Au)	7440-57-5	0.0031	6.72	342.5
	Aluminum (Al)	7429-90-5	0.0001	0.20	9.9
	<b>Total</b>			<b>0.05</b>	
<b>Bonding Wire 0.42%</b>	Gold (Au)	7440-57-5	0.04	100.00	4,253.6
	<b>Total</b>			<b>0.04</b>	
<b>Molding 67.83%</b>	Silicon Dioxide (SiO <sub>2</sub> )	14808-60-7	5.89	97.19	659,315.5
	Antimony Trioxide (Sb <sub>2</sub> O <sub>3</sub> )	1309-64-4	0.05	0.83	5,596.9
	Brominated Epoxy	68928-70-1	0.12	1.98	13,432.6
	<b>Total</b>			<b>6.06</b>	
<b>Plating 0.30%</b>	Tin (Sn)	7440-31-5	0.03	100.00	2,910.4
	<b>Total</b>			<b>0.03</b>	
	<b>Total mass (mg)</b>		<b>8.93</b>		