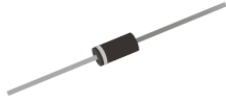


MATERIAL DATA SHEET



SMD Diodes Specialist

Material #	DO-201AE	
Product Line	TVS	
Date	2009.3.10	
Rev. date	B	

No.	Construction element	Material group	Material weight (mg)	Material	CAS if applicable	Average mass (%)	Sum(%)	Traces
1	Copper Lead	CU	510	Copper (Cu)	7440-44-0	99.98	57.95	
				Arsenic (As)	7440-38-2	0.0006		
				Antimony (Sb)	1309-64-4	0.001		
				Bismuth (Bi)	7440-69-9	0.001		
				Iron (Fe)	7439-89-6	0.001		
				Lead (Pb)	7439-92-1	0.0005		
				Tin (Sn)	7440-31-5	0.0006		
				Nickel (Ni)	7440-02-0	0.0006		
				Zinc (Zn)	7440-66-6	0.0006		
				Sulfur (S)	7704-34-9	0.0120		
				Oxygen (O)	7782-44-7	0.0006		
				Phosphorus (P)	7723-14-0	0.0015		
2	Solder	Pb/Sn/Ag	2.2	Lead (Pb)	7439-92-1	92.50	0.25	
				Tin (Sn)	7440-31-5	5.00		
				Silver (Ag)	7440-22-4	2.50		
3	Dice	Silicon	6.3	Silicon (Si)	7440-21-3	99.50	0.72	
				Phosphorus (P)	7723-14-0	0.01		
				Boron(B)	7637-07-2	0.01		
				Lead (Pb)	7439-92-1	0.40		
				Nickel (Ni)	7440-02-0	0.05		
				Aurum(Au)	7440-57-5	0.03		
				Al ₂ O ₃	1344-28-1	0.01		
4	Molding Compound	Epoxy Resin	360	Epoxy	25928-94-3	100	40.91	
5	Lead Finishing	Sn	1.5	Tin (Sn)	7440-31-5	100	0.17	
Total weight			880					