



WJ.com

401 River Oaks Parkway, San Jose, CA 95134

WJ document number 110504

SOT-89 Package Material Constituents – This Package is both RoHS Compliant & Green

Package Element	Material Type	CAS Number	Weight (mg)	Portion (ppm)
SOT89 Leadframe Bulk	Copper	7440-50-8	22.7136	477578
SOT89 Leadframe Bulk	Iron	7439-89-6	0.46184	9711
SOT89 Leadframe Bulk	Phosphorus	7723-14-0	0.31515	6626
SOT89 Leadframe Bulk	Zinc	7440-66-6	0.08091	1701
SOT-89 Leadframe Bulk	Nickel	7440-02-0	0.00227	48
SOT-89 Leadframe Terminal Plating	Nickel	7440-02-0	0.9	18923
SOT-89 Leadframe Terminal Plating	Palladium	7440-05-3	0.1	2103
SOT-89 Leadframe Terminal Plating	Gold	7440-57-5	0.0005	11
Die Attach Epoxy	Silver	7440-22-4	0.01	210
Die Attach Epoxy	Epoxy Resin		0.005	105
Die Attach Epoxy	Aromatic Amine		0.0005	11
Wirebond And Die Metallization	Gold	7440-57-5	0.05915	1244
SOT89 Package Molding Compound	Epoxide Resins		0.3	6308
SOT89 Package Molding Compound	Silica	7631-86-9	18	378469
SOT89 Package Molding Compound	Epoxy, Cresol Novolac		3	63078
SOT89 Package Molding Compound	Phenol Novolac		1.5	31539
SOT89 Package Molding Compound	Carbon	7440-44-0	0.075	1577
Active Semiconductor Die	Arsenic	7440-38-2	0.017	357
Active Semiconductor Die	Gallium	7440-55-3	0.0189	397
Unknown Source - Trace	Cobalt Trace	7440-48-4	0.0003	6
<b>TOTAL Package Weight</b>			<b>47.56</b>	<b>1000000</b>

If you have any questions, please contact Tad Custer, Product Line Manager, WJ Communications, at 408-577-6370 or [Tad.Custer@WJ.com](mailto:Tad.Custer@WJ.com)