

Package Homogeneous Materials V7X 100 TQFP 12x12x1mm Matte Tin Semiconductor Device Type: Contained In % Total 312.02 % of Total Weight (mg) Total Mold Compound 79.80 Sub-Component Weight **CAS Number Basic Substance** Silica, vitreous (or fused) 60676-86-0 Mold Compound 67.83 678300 Silica, vitreous (or fused) 60676-86-0 85.00 265.22 Trade Secret Mold Compound 6.94 27.15 69426 Epoxy Resin Trade Secret Epoxy Resin 8.70 Phenolic Resin Trade Secret Mold Compound 4.79 18.72 47880 Phenolic Resin Trade Secret 6.00 Carbon Black 1333-86-4 Mold Compound 0.24 0.94 2394 Carbon Black 1333-86-4 0.30 10.00 39.10 Copper 7440-50-8 Lead Frame 100003 Total 100.00 Nickel 7440-02-0 Lead Frame 0.27 1.04 2667 7440-22-4 1752 41 06 (mg) Total % of Total Weight 10.50 0.18 Silver Lead Frame 0.69 Lead Frame Silicon 7440-21-3 0.05 0.18 473 Lead Frame Copper 7440-50-8 95 24 0.01 0.04 105 7439-95-4 Magnesium Lead Frame 2.54 Nickel 7440-02-0 7440-22-4 0.56 5550 Silver Die Attach 2.17 Silver 7440-22-4 1.67 Epoxy resin 68475-94-5 Die Attach 0.17 0.67 1725 Silicon 7440-21-3 0.45 Copper(II) oxide 1317-38-0 Die Attach 0.02 0.09 225 Magnesium 7439-95-4 0.10 75000 7440-21-3 7.50 29.33 Silicon Die Total 100 00 Copper 7440-50-8 Bond Wire (CuPdAu Flash Layers) 0.19 0.75 1920 Palladium 7440-05-3 Bond Wire (CuPdAu Flash Layers) 0.01 0.02 60 2.93 (mg) Total Die Attach % of Total Weight 0.75 Gold 7440-57-5 Bond Wire (CuPdAu Flash Layers) 0.00 0.01 20 Silver 7440-22-4 74 00 7440-31-5 Tin External Lead Plating 1 25 4 89 12500 Epoxy resin 68475-94-5 23.00 TOTALS: 100 00 391 00 1 000 000 Copper(II) oxide 1317-38-0 3.00 391.00 mg Total Mass 100.00

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29.33	(mg) Total	Die	% of Total Weight	7.50
	Silicon	7440-21-3	100.00	
		Total	100.00	
0.78	(mg) Total	Bond Wire (CuPdAu Flash Layers)	% of Total Weight	0.20
	Copper	7440-50-8	96.00	
	Palladium	7440-05-3	3.00	
	Gold	7440-57-5	1.00	
		Total	100.00	
4.89	(mg) Total	External Lead Plating	% of Total Weight	1.25
	Tin	7440-31-5	100.00	
391.00		Total	100.00	100.0

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