



Semiconductor Device Type: T3C TO-247-3-41.12x15.90x5.03mm-MatteTin						Package Homogeneous Materials				
Basic Substance	CAS Number	"Contained In" Sub-Component	% Total Weight	mg/part	ppm	24.00	(mg) Total	Die	% of Total Weight	0.39
Silicon	7440-21-3	Die	0.39	24.00	3922		Silicon	7440-21-3	100.00	
Copper	7440-50-8	Leadframe	63.93	3912.77	639343					
Iron	7439-89-6	Leadframe	0.07	4.00	654					
Nickel	7440-02-0	Leadframe	1.37	84.04	13732	4002.09	(mg) Total	Leadframe	% of Total Weight	65.39
Phosphorus	7723-14-0	Leadframe	0.02	1.28	209			Copper	7440-50-8	97.77
Lead	7439-92-1	Die Attach Material	0.17	10.18	1663			Iron	7439-89-6	0.10
Silver	7440-22-4	Die Attach Material	0.00	0.28	46			Nickel	7440-02-0	2.10
Tin	7440-31-5	Die Attach Material	0.01	0.55	90			Phosphorus	7723-14-0	0.03
Aluminum	7429-90-5	Wire	0.10	6.00	980					
Silicon dioxide	7631-86-9	Mold Compound	23.02	1409.01	230231					
Benzophenone-3,3',4,4'- tetracarboxylic dianhydride	2421-28-5	Mold Compound	3.21	196.27	32070	11.01	(mg) Total	Die Attach Material	% of Total Weight	0.18
Quartz	14808-60-7	Mold Compound	3.04	185.94	30382			Lead	7439-92-1	92.46
Carbon Black	1333-86-4	Mold Compound	0.30	18.59	3038			Silver	7440-22-4	2.54
4,4'-carbonyldipthalic acid	2479-49-4	Mold Compound	0.30	18.59	3038			Tin	7440-31-5	5.00
Antimony trioxide	1309-64-4	Mold Compound	3.04	185.94	30382					
2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	40039-93-8	Mold Compound	0.84	51.65	8440					
Tin	7440-31-5	Lead Finish	0.18	10.90	1781	6.00	(mg) Total	Wire	% of Total Weight	0.10
<b>TOTALS:</b>			<b>100.00</b>	<b>6119.99</b>	<b>1,000,000</b>			Aluminum	7429-90-5	100.00
<b>6119.99 mg Total Mass</b>										
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						2065.99	(mg) Total	Mold Compound	% of Total Weight	33.76
								Silicon dioxide	7631-86-9	68.20
								Benzophenone-3,3',4,4'- tetracarboxylic dianhydride	2421-28-5	9.50
								Quartz	14808-60-7	9.00
								Carbon Black	1333-86-4	0.90
								4,4'-carbonyldipthalic acid	2479-49-4	0.90
								Antimony trioxide	1309-64-4	9.00
								2,2',6,6'-tetrabromo-4,4'- isopropylidenediphenol	40039-93-8	2.50
								<b>Total</b>		<b>100.00</b>
						10.90	(mg) Total	Lead Finish	% of Total Weight	0.18
								Tin	7440-31-5	100.00
						6119.99	<b>Total</b>		<b>100.00</b>	100.00