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DI-SMD3-JE_Rev.7

Type	Package Code	ROHM Package	Mass (mg)	Part No.
Diode	SOT-346	SMD3	13.0000	-

No	Part Name	Weight (mg)	Substance Name	CAS No	Weight (mg)	Portion vs. Products	Portion vs. Part Name	
1	Mold compound	8.3820	Silica (amorphous)	60676-86-0	6.0846	46.80%	72.59%	
			Epoxy resin	29690-82-2	1.0431	8.02%	12.44%	
			Phenol resin	9003-35-4	0.7823	6.02%	9.33%	
			Brominated epoxy resin	68541-56-0	0.3042	2.34%	3.63%	
			Antimony trioxide	1309-64-4	0.0870	0.67%	1.04%	
			Organic phosphorus compounds	-	0.0435	0.33%	0.52%	
			Azo compound*1	-	0.0348	0.27%	0.42%	
			Chromium compounds except for hexavalent chromium compounds	-	0.0025	0.02%	0.03%	
			<i>Subtotal</i>		<i>8.3820</i>	<i>64.48%</i>	<i>100%</i>	
2	Lead frame (Base material)	3.8328	Iron (Fe)	7439-89-6	2.2230	17.10%	58.00%	
			Nickel (Ni)	7440-02-0	1.6098	12.38%	42.00%	
				<i>Subtotal</i>		<i>3.8328</i>	<i>29.48%</i>	<i>100%</i>
3	Lead frame (Surface treatment)	0.5112	Copper (Cu)	7440-50-8	0.5112	3.93%	100.00%	
				<i>Subtotal</i>		<i>0.5112</i>	<i>3.93%</i>	<i>100%</i>
4	External plating	0.1820	Tin (Sn)	7440-31-5	0.1756	1.35%	96.50%	
			Silver (Ag)	7440-22-4	0.0055	0.04%	3.00%	
			Copper (Cu)	7440-50-8	0.0009	0.01%	0.50%	
				<i>Subtotal</i>		<i>0.1820</i>	<i>1.40%</i>	<i>100%</i>
5	Die	0.0730	Silicon (Si)	7440-21-3	0.0689	0.53%	94.36%	
			Gold (Au)	7440-57-5	0.0041	0.03%	5.64%	
				<i>Subtotal</i>		<i>0.0730</i>	<i>0.56%</i>	<i>100%</i>
6	Bonding wire	0.0190	Gold (Au)	7440-57-5	0.0190	0.15%	100.00%	
				<i>Subtotal</i>		<i>0.0190</i>	<i>0.15%</i>	<i>100%</i>
			<i>Total</i>			<i>13.0000</i>	<i>100%</i>	<i>-</i>

Note

*1 : Not created amine.

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