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DI-TSMD5-JE_Rev.7

Type	Package Code	ROHM Package	Mass (mg)	Part No.
Diode	SOT-25T	TSMD5	13.5000	-

No	Part Name	Weight (mg)	Substance Name	CAS No	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	5.6730	Silica (amorphous)	60676-86-0	4.7000	34.81%	82.85%
			Epoxy resin	-	0.4112	3.05%	7.25%
			Phenol resin	-	0.4112	3.05%	7.25%
			Brominated epoxy resin	68541-56-0	0.0588	0.44%	1.04%
			Antimony trioxide	1309-64-4	0.0295	0.22%	0.52%
			Organic phosphorus compounds	-	0.0447	0.33%	0.79%
			Azo compound*1	-	0.0176	0.13%	0.31%
			<i>Subtotal</i>	<i>5.6730</i>	<i>42.02%</i>	<i>100%</i>	
2	Lead frame (Base material)	6.9782	Copper (Cu)	7440-50-8	6.9712	51.64%	99.90%
			Iron (Fe)	7439-89-6	0.0070	0.05%	0.10%
			<i>Subtotal</i>	<i>6.9782</i>	<i>51.69%</i>	<i>100%</i>	
3	Lead frame (Surface treatment)	0.1258	Silver (Ag)	7440-22-4	0.1258	0.93%	100.00%
			<i>Subtotal</i>	<i>0.1258</i>	<i>0.93%</i>	<i>100%</i>	
4	External plating	0.1980	Tin (Sn)	7440-31-5	0.1911	1.42%	96.50%
			Silver (Ag)	7440-22-4	0.0059	0.04%	3.00%
			Copper (Cu)	7440-50-8	0.0010	0.01%	0.50%
			<i>Subtotal</i>	<i>0.1980</i>	<i>1.47%</i>	<i>100%</i>	
5	Die	0.3600	Silicon (Si)	7440-21-3	0.3508	2.60%	97.44%
			Nickel (Ni)	7440-02-0	0.0051	0.04%	1.42%
			Silver (Ag)	7440-22-4	0.0031	0.02%	0.86%
			Gold (Au)	7440-57-5	0.0010	0.01%	0.28%
			<i>Subtotal</i>	<i>0.3600</i>	<i>2.67%</i>	<i>100%</i>	
6	Die attach	0.0420	Silver (Ag)	7440-22-4	0.0352	0.26%	83.70%
			Epoxy resin	9003-36-5	0.0068	0.05%	16.30%
			<i>Subtotal</i>	<i>0.0420</i>	<i>0.31%</i>	<i>100%</i>	
7	Bonding wire	0.1230	Gold (Au)	7440-57-5	0.1230	0.91%	100.00%
			<i>Subtotal</i>	<i>0.1230</i>	<i>0.91%</i>	<i>100%</i>	
			<i>Total</i>	<i>-</i>	<i>13.5000</i>	<i>100%</i>	<i>-</i>

Note

*1 : Not created amine.

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