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DI-UMD3-JE_Rev.7

Type	Package Code	ROHM Package	Mass (mg)	Part No.
Diode	SOT-416	EMD3	2.4000	-

No	Part Name	Weight (mg)	Substance Name	CAS No	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	1.2910	Silica (amorphous)	60676-86-0	0.9363	39.01%	72.52%
			Epoxy resin	29690-82-2	0.1739	7.25%	13.47%
			Phenol resin	9003-35-4	0.1070	4.46%	8.28%
			Brominated epoxy resin	68541-56-0	0.0469	1.95%	3.63%
			Antimony trioxide	1309-64-4	0.0133	0.56%	1.03%
			Organic phosphorus compounds	-	0.0067	0.28%	0.52%
			Azo compound*1	-	0.0067	0.28%	0.52%
			Chromium compounds except for hexavalent chromium compounds	-	0.0002	0.01%	0.02%
	<i>Subtotal</i>			<i>1.2910</i>	<i>53.79%</i>	<i>100%</i>	
2	Lead frame (Base material)	0.8780	Iron (Fe)	7439-89-6	0.5092	21.22%	58.00%
			Nickel (Ni)	7440-02-0	0.3687	15.36%	42.00%
			<i>Subtotal</i>		<i>0.8780</i>	<i>36.58%</i>	<i>100%</i>
3	Lead frame (Surface treatment)	0.1171	Copper (Cu)	7440-50-8	0.1171	4.88%	100.00%
			<i>Subtotal</i>		<i>0.1171</i>	<i>4.88%</i>	<i>100%</i>
4	External plating	0.0700	Tin (Sn)	7440-31-5	0.0676	2.81%	96.50%
			Silver (Ag)	7440-22-4	0.0021	0.09%	3.00%
			Copper (Cu)	7440-50-8	0.0004	0.01%	0.50%
			<i>Subtotal</i>		<i>0.0700</i>	<i>2.92%</i>	<i>100%</i>
5	Die	0.0310	Silicon (Si)	7440-21-3	0.0281	1.17%	90.74%
			Gold (Au)	7440-57-5	0.0029	0.12%	9.26%
			<i>Subtotal</i>		<i>0.0310</i>	<i>1.29%</i>	<i>100%</i>
6	Bonding wire	0.0130	Gold (Au)	7440-57-5	0.0130	0.54%	100.00%
			<i>Subtotal</i>		<i>0.0130</i>	<i>0.54%</i>	<i>100%</i>
	<i>Total</i>				<i>2.4000</i>	<i>100%</i>	<i>-</i>

Note

*1 : Not created amine.

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