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DI-UMD2M-HF-JE_Rev.7

Type	Package Code	ROHM Package	Mass (mg)	Part No.
Diode	SOD-323FL	UMD2 (halogen free)	3.4000	-

No	Part Name	Weight (mg)	Substance Name	CAS No	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	2.6293	Silica (amorphous)	60676-86-0	1.9423	57.13%	73.49%
			Epoxy resin	-	0.2774	8.16%	10.50%
			Phenol resin	-	0.1321	3.89%	5.00%
			Aluminum hydroxide	21645-51-2	0.2775	8.16%	10.50%
			Organic phosphorus compounds	-	0.0004	0.01%	0.02%
			Carbon black	1333-86-4	0.0131	0.39%	0.50%
			<i>Subtotal</i>		<i>2.6428</i>	<i>77.73%</i>	<i>100%</i>
2	Lead frame (Base material)	0.6100	Iron (Fe)	7439-89-6	0.3538	10.41%	58.00%
			Nickel (Ni)	7440-02-0	0.2562	7.54%	42.00%
			<i>Subtotal</i>		<i>0.6100</i>	<i>17.94%</i>	<i>100%</i>
3	Lead frame (Surface treatment)	0.0890	Copper (Cu)	7440-50-8	0.0890	2.62%	100.00%
			<i>Subtotal</i>		<i>0.0890</i>	<i>2.62%</i>	<i>100%</i>
4	External plating	0.0300	Tin (Sn)	7440-31-5	0.0300	0.88%	100.00%
			<i>Subtotal</i>		<i>0.0300</i>	<i>0.88%</i>	<i>100%</i>
5	Die	0.0210	Silicon (Si)	7440-21-3	0.0190	0.56%	90.48%
			Gold (Au)	7440-57-5	0.0020	0.06%	9.52%
			<i>Subtotal</i>		<i>0.0210</i>	<i>0.62%</i>	<i>100%</i>
6	Bonding wire	0.0072	Gold (Au)	7440-57-5	0.0072	0.21%	100.00%
			<i>Subtotal</i>		<i>0.0072</i>	<i>0.21%</i>	<i>100%</i>
<i>Total</i>				-	<i>3.4000</i>	<i>100%</i>	-

Note

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