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DI-TO252M-HF-JE_Rev.6

Type	Package Code	ROHM Package	Mass (mg)	Part No.
Diode	-	TO-252M	321.7600	-

No	Part Name	Weight (mg)	Substance Name	CAS No	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	143.2140	Silica (amorphous)	60676-86-0	124.8110	38.79%	87.15%
			Epoxy resin	-	10.7411	3.34%	7.50%
			Phenol resin	-	7.1607	2.23%	5.00%
			Carbon black	1333-86-4	0.5012	0.16%	0.35%
			<i>Subtotal</i>		<i>143.2140</i>	<i>44.51%</i>	<i>100%</i>
2	Lead frame (Base material)	159.4540	Copper (Cu)	7440-50-8	159.2547	49.49%	99.88%
			Tin (Sn)	7440-31-5	0.1993	0.06%	0.12%
			<i>Subtotal</i>		<i>159.4540</i>	<i>49.56%</i>	<i>100%</i>
3	Lead frame (Surface treatment)	0.1974	Nickel (Ni)	7440-02-0	0.1974	0.06%	100.00%
			<i>Subtotal</i>		<i>0.1974</i>	<i>0.06%</i>	<i>100%</i>
4	External plating	5.6291	Tin (Sn)	7440-31-5	5.6291	1.75%	100.00%
			<i>Subtotal</i>		<i>5.6291</i>	<i>1.75%</i>	<i>100%</i>
5	Die	2.4863	Silicon (Si)	7440-21-3	2.4261	0.75%	97.58%
			Nickel (Ni)	7440-02-0	0.0321	0.01%	1.29%
			Silver (Ag)	7440-22-4	0.0199	0.01%	0.80%
			Gold (Au)	7440-57-5	0.0082	0.003%	0.33%
			<i>Subtotal</i>		<i>2.4863</i>	<i>0.77%</i>	<i>100%</i>
6	Die attach	7.6050	Lead (Pb) *1	7439-92-1	7.2628	2.26%	95.50%
			Tin (Sn)	7440-31-5	0.1521	0.047%	2.00%
			Silver (Ag)	7440-22-4	0.1901	0.059%	2.50%
			<i>Subtotal</i>		<i>7.6050</i>	<i>2.36%</i>	<i>100%</i>
7	Bonding wire	3.1742	Aluminum (Al)	7429-90-5	3.1742	0.99%	100.00%
			<i>Subtotal</i>		<i>3.1742</i>	<i>0.99%</i>	<i>100%</i>
			<i>Total</i>	-	<i>321.7600</i>	<i>100%</i>	<i>-</i>

Note

*1 : It is exempted from the RoHS, because of the high melting point solder.

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