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DI-TUMD2MAu-HF-JE_Rev.7

Type	Package Code	ROHM Package	Mass (mg)	Part No.
Diode	-	TUMD2 (halogen free)	5.4400	-

No	Part Name	Weight (mg)	Substance Name	CAS No	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	2.1562	Silica (amorphous)	60676-86-0	1.6058	29.52%	74.25%
			Epoxy resin I	-	0.2033	3.74%	9.40%
			Epoxy resin II	-	0.0638	1.17%	2.95%
			Aluminum hydroxide	21645-51-2	0.2833	5.21%	13.10%
			Carbon black	1333-86-4	0.0065	0.12%	0.30%
			<i>Subtotal</i>		<i>2.1627</i>	<i>39.76%</i>	<i>100%</i>
2	Lead frame (Base material)	2.7770	Copper (Cu)	7440-50-8	2.7742	51.00%	99.90%
			Iron (Fe)	7439-89-6	0.0028	0.05%	0.10%
			<i>Subtotal</i>		<i>2.7770</i>	<i>51.05%</i>	<i>100%</i>
3	Lead frame (Surface treatment)	0.0718	Silver (Ag)	7440-22-4	0.0718	1.32%	100.00%
			<i>Subtotal</i>		<i>0.0718</i>	<i>1.32%</i>	<i>100%</i>
4	External plating	0.1505	Tin (Sn)	7440-31-5	0.1505	2.77%	100.00%
			<i>Subtotal</i>		<i>0.1505</i>	<i>2.77%</i>	<i>100%</i>
5	Die	0.1760	Silicon (Si)	7440-21-3	0.1710	3.14%	97.16%
			Silver (Ag)	7440-22-4	0.0050	0.09%	2.84%
			<i>Subtotal</i>		<i>0.1760</i>	<i>3.24%</i>	<i>100%</i>
6	Die attach	0.0691	Silver (Ag)	7440-22-4	0.0593	1.09%	85.86%
			Epoxy resin	-	0.0080	0.15%	11.59%
			Phenol resin	-	0.0018	0.03%	2.55%
			<i>Subtotal</i>		<i>0.0691</i>	<i>1.27%</i>	<i>100%</i>
7	Bonding wire	0.0330	Gold (Au)	7440-57-5	0.0330	0.61%	100.00%
			<i>Subtotal</i>		<i>0.0330</i>	<i>0.61%</i>	<i>100%</i>
			<i>Total</i>	-	<i>5.4400</i>	<i>100%</i>	-

Note

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