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DI-SSD3MAu-HF-JE\_Rev.7

Type	Package Code	ROHM Package	Mass (mg)	Part No.
Diode	SOT-23	SSD3 (halogen free)	8.0131	-

No	Part Name	Weight (mg)	Substance Name	CAS No	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	4.7438	Silica (amorphous)	60676-86-0	3.5329	44.09%	74.25%
			Epoxy resin I	-	0.4473	5.58%	9.40%
			Epoxy resin II	-	0.1404	1.75%	2.95%
			Aluminum hydroxide	21645-51-2	0.6233	7.78%	13.10%
			Carbon black	1333-86-4	0.0143	0.18%	0.30%
			<i>Subtotal</i>		<i>4.7581</i>	<i>59.38%</i>	<i>100%</i>
2	Lead frame (Base material)	2.6338	Iron (Fe)	7439-89-6	1.5276	19.06%	58.00%
			Nickel (Ni)	7440-02-0	1.1062	13.80%	42.00%
			<i>Subtotal</i>		<i>2.6338</i>	<i>32.87%</i>	<i>100%</i>
3	Lead frame (Surface treatment)	0.3512	Copper (Cu)	7440-50-8	0.3512	4.38%	100.00%
			<i>Subtotal</i>		<i>0.3512</i>	<i>4.38%</i>	<i>100%</i>
4	External plating	0.1770	Tin (Sn)	7440-31-5	0.1770	2.21%	100.00%
			<i>Subtotal</i>		<i>0.1770</i>	<i>2.21%</i>	<i>100%</i>
5	Die	0.0816	Silicon (Si)	7440-21-3	0.0768	0.96%	94.12%
			Gold (Au)	7440-57-5	0.0048	0.06%	5.88%
			<i>Subtotal</i>		<i>0.0816</i>	<i>1.02%</i>	<i>100%</i>
6	Bonding wire	0.0114	Copper (Cu)	7440-50-8	0.0112	0.14%	98.00%
			Palladium (Pd)	7440-05-3	0.0002	0.00%	2.00%
			<i>Subtotal</i>		<i>0.0114</i>	<i>0.14%</i>	<i>98%</i>
			<i>Total</i>	-	<i>8.0131</i>	<i>100%</i>	-

### Note

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