

The RoHS directive, REACH regulation, and other laws and regulations related to the management of environmentally hazardous substances come into effect. When developing products, the global environmental load must be considered. ROHM pursues green procurement and endeavors to increase the detection accuracy of chemicals contained in parts and procured materials while at the same time placing great importance on the internal chemical management system that was built to ensure that no prohibited substances are procured, used, or shipped in order to provide a steady supply of worry-free products.

DI-LPDS(TO263S)-JE\_Rev.6

Type	Package Code	ROHM Package	Mass (mg)	Part No.
Diode	TO-263S	TO-263S	1524.6100	-

No	Part Name	Weight (mg)	Substance Name	CAS No	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	472.5040	Silica (crystalline)	14808-60-7	380.9800	24.99%	80.63%
			Epoxy resin	29690-82-2	49.4710	3.24%	10.47%
			Phenol-formaldehyde resin	9003-35-4	34.6345	2.27%	7.33%
			Epoxy resin bromide	40039-93-8	4.9613	0.33%	1.05%
			Antimony trioxide	1309-64-4	2.4572	0.16%	0.52%
			<i>Subtotal</i>		<i>472.5040</i>	<i>30.99%</i>	<i>100%</i>
2	Lead frame (Base material)	1014.4665	Copper (Cu)	7440-50-8	1013.4521	66.47%	99.90%
			Iron (Fe)	7439-89-6	1.0145	0.07%	0.10%
			<i>Subtotal</i>		<i>1014.4665</i>	<i>66.54%</i>	<i>100%</i>
3	External plating	6.4855	Tin (Sn)	7440-31-5	6.3559	0.42%	98.00%
			Copper (Cu)	7440-50-8	0.1296	0.01%	2.00%
			<i>Subtotal</i>		<i>6.4855</i>	<i>0.43%</i>	<i>100%</i>
4	Die	17.8510	Silicon (Si)	7440-21-3	17.5788	1.15%	98.48%
			Nickel (Ni)	7440-02-0	0.1482	0.01%	0.83%
			Silver (Ag)	7440-22-4	0.0860	0.01%	0.48%
			Gold (Au)	7440-57-5	0.0380	0.002%	0.21%
			<i>Subtotal</i>		<i>17.8510</i>	<i>1.17%</i>	<i>100%</i>
5	Die attach	11.0030	Lead (Pb) *2	7439-92-1	10.1778	0.67%	92.50%
			Tin (Sn)	7440-31-5	0.5502	0.04%	5.00%
			Silver (Ag)	7440-22-4	0.2751	0.02%	2.50%
			<i>Subtotal</i>		<i>11.0030</i>	<i>0.72%</i>	<i>100%</i>
6	Bonding wire	2.3000	Aluminum (Al)	7429-90-5	2.3000	0.15%	100.00%
			<i>Subtotal</i>		<i>2.3000</i>	<i>0.15%</i>	<i>100%</i>
			<i>Total</i>	-	<i>1524.6100</i>	<i>100%</i>	<i>-</i>

**Note**

\*2 : It is exempted from the RoHS, because of the high melting point solder.

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