

CONSTITUTION MATERIALS LIST

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-TO-220AC-JE_Rev.6

Type	Package Code	ROHM Package	Mass (mg)	Part No.
Diode	TO-220AC	TO-220AC	2100.0000	-

No	Part Name	Weight (mg)	Substance Name	CAS No	Weight (mg)	Portion vs. Products	Portion vs. Part Name	
1	Mold compound	628.4860	Silica (crystalline)	14808-60-7	463.0949	22.05%	73.68%	
			Epoxy resin	29690-82-2	77.1825	3.68%	12.28%	
			Phenol novolak	9003-35-4	55.1303	2.63%	8.77%	
			Metal hydroxide	21645-51-2	27.5652	1.31%	4.39%	
			Carbon black	1333-86-4	5.5130	0.26%	0.88%	
			<i>Subtotal</i>		<i>628.4860</i>		<i>29.93%</i>	<i>100%</i>
2	Lead frame (Base material)	1440.5800	Copper (Cu)	7440-50-8	1439.1440	68.53%	99.90%	
			Iron (Fe)	7439-89-6	1.4360	0.07%	0.10%	
			<i>Subtotal</i>		<i>1440.5800</i>		<i>68.60%</i>	<i>100%</i>
3	External plating	15.0060	Tin (Sn)	7440-31-5	15.0060	0.71%	100.00%	
			<i>Subtotal</i>		<i>15.0060</i>		<i>0.71%</i>	<i>100%</i>
4	Die	3.5020	Silicon (Si)	7440-21-3	3.4845	0.17%	99.50%	
			Silver (Ag)	7440-22-4	0.0175	0.001%	0.50%	
			<i>Subtotal</i>		<i>3.5020</i>		<i>0.17%</i>	<i>100%</i>
5	Die attach	10.9540	Tin (Sn)	7440-31-5	10.5710	0.50%	96.50%	
			Antimony (Sb)	7440-36-0	0.3830	0.02%	3.50%	
			<i>Subtotal</i>		<i>10.9540</i>		<i>0.52%</i>	<i>100%</i>
6	Bonding wire	1.4720	Aluminum (Al)	7429-90-5	1.4720	0.07%	100.00%	
			<i>Subtotal</i>		<i>1.4720</i>		<i>0.07%</i>	<i>100%</i>
				<i>Total</i>	-	<i>2100.0000</i>	<i>100%</i>	-

Note

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