



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-VML2-HF-JE_Rev.7

Type	Package Code	ROHM Package	Mass (mg)	Part No.
Diode	DFN1006-2	VML2 (ハロゲンフリー)	0.7620	-

No	Part Name	Weight (mg)	Substance Name	CAS No	Weight (mg)	Portion vs. Products	Portion vs. Part Name	
1	Mold compound	0.4410	Silica(amorphous)	60676-86-0	0.3932	51.61%	89.16%	
			Epoxy resin	29690-82-2	0.0244	3.21%	5.54%	
			Phenol resin	9003-35-4	0.0223	2.92%	5.05%	
			Carbon black	1333-86-4	0.0011	0.14%	0.25%	
			<i>Subtotal</i>		<i>0.4410</i>	<i>57.88%</i>	<i>100%</i>	
2	Lead frame (Base material)	0.2393	Copper (Cu)	7440-50-8	0.2393	31.41%	100.00%	
			<i>Subtotal</i>		<i>0.2393</i>	<i>31.41%</i>	<i>100%</i>	
3	Lead frame (Surface treatment)	0.0054	Nickel (Ni)	7440-02-0	0.0052	0.68%	95.00%	
			Palladium (Pd)	7440-05-3	0.0002	0.03%	4.09%	
			Gold(Au)	7440-57-5	0.0000	0.01%	0.91%	
			<i>Subtotal</i>		<i>0.0054</i>	<i>0.68%</i>	<i>100%</i>	
4	External plating	0.0110	Tin (Sn)	7440-31-5	0.0110	1.44%	100.00%	
			<i>Subtotal</i>		<i>0.0110</i>	<i>1.44%</i>	<i>100%</i>	
5	Die	0.0498	Silicon (Si)	7440-21-3	0.0481	6.32%	96.63%	
			Silver (Ag)	7440-22-4	0.0017	0.22%	3.37%	
			<i>Subtotal</i>		<i>0.0498</i>	<i>6.54%</i>	<i>100%</i>	
6	Die attach	0.0107	Silver(Ag)	7440-22-4	0.0081	1.06%	75.86%	
			Epoxy Resin	9003-36-5	0.0026	0.34%	24.14%	
			<i>Subtotal</i>		<i>0.0107</i>	<i>1.40%</i>	<i>100%</i>	
7	Bonding wire	0.0048	Gold(Au)	7440-57-5	0.0048	0.62%	100.00%	
			<i>Subtotal</i>		<i>0.0048</i>	<i>0.62%</i>	<i>100%</i>	
				<i>Total</i>	-	<i>0.7620</i>	<i>100%</i>	-

Note

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