



## 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-VMN2-HF-JE\_Rev.7

Type	Package Code	ROHM Package	Mass (mg)	Part No.
Diode	SOD-923	VMN2 (halogen free)	0.7002	-

No	Part Name	Weight (mg)	Substance Name	CAS No	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	0.3392	Silica (amorphous)	60676-86-0	0.3013	43.03%	88.82%
			Epoxy resin	—	0.0213	3.04%	6.27%
			Phenol resin	26834-02-6	0.0145	2.06%	4.26%
			Organic phosphorus compounds	—	0.0017	0.25%	0.51%
			Carbon black	1333-86-4	0.0005	0.07%	0.14%
			<i>Subtotal</i>		<i>0.3392</i>	<i>48.45%</i>	<i>100%</i>
2	Lead frame (Base material)	0.2729	Iron (Fe)	7439-89-6	0.1583	22.61%	58.00%
			Nickel (Ni)	7440-02-0	0.1146	16.37%	42.00%
			<i>Subtotal</i>		<i>0.2729</i>	<i>38.98%</i>	<i>100%</i>
3	Lead frame (Surface treatment)	0.0541	Copper (Cu)	7440-50-8	0.0541	7.72%	100.00%
			<i>Subtotal</i>		<i>0.0541</i>	<i>7.72%</i>	<i>100%</i>
4	External plating	0.0110	Tin (Sn)	7440-31-5	0.0108	1.54%	98.00%
			Copper (Cu)	7440-50-8	0.0002	0.03%	2.00%
			<i>Subtotal</i>		<i>0.0110</i>	<i>1.57%</i>	<i>100%</i>
5	Die	0.0200	Silicon (Si)	7440-21-3	0.0170	2.43%	85.15%
			Gold (Au)	7440-57-5	0.0030	0.42%	14.85%
			<i>Subtotal</i>		<i>0.0200</i>	<i>2.86%</i>	<i>100%</i>
6	Bonding wire	0.0030	Gold (Au)	7440-57-5	0.0030	0.43%	100.00%
			<i>Subtotal</i>		<i>0.0030</i>	<i>0.43%</i>	<i>100%</i>
			<i>Total</i>	-	<i>0.7002</i>	<i>100%</i>	-

### Note

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