

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.

Type Package Code			ROHM Package		Mass (mg)	DI-GMD2-HF-JE_Rev.		
Туре		T ac	Package Code		IN Tackage	wass (mg)	Part No.	
Diode		DFN0603-2		GMD2 (halogen free)		0.2010	-	
Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
	Mold compound	0.0960	Silica (amorphous)		60676-86-0	0.0857	42.65%	89.29%
			Epoxy resin		29690-82-2	0.0053	2.64%	5.52%
1			Phenol resin		_	0.0048	2.39%	5.00%
			Carbon black		1333-86-4	0.0002	0.09%	0.19%
				Subtotal		0.0960	47.76%	100%
	Lead frame (Base material)	0.0830	Copper (Cu)		7440-50-8	0.0824	41.00%	99.28%
			Tin (Sn)		7440-31-5	0.0002	0.10%	0.25%
2			Chromium (Cr)		7440-47-3	0.0002	0.10%	0.25%
			Zinc (Zn)		7440-66-6	0.0002	0.09%	0.22%
				Subtotal		0.0830	41.29%	100%
3	Lead frame (Surface treatment)	0.0010	Silver (Ag)		7440-22-4	0.0010	0.50%	100.00%
3				Subtotal		0.0010	0.50%	100%
	External plating	0.0080	Tin (Sn)		7440-31-5	0.0078	3.90%	98.00%
4			Copper (Cu)		7440-50-8	0.0002	0.08%	2.00%
				Subtotal		0.0080	3.98%	100%
	Die	0.0090	Silicon (Si)		7440-21-3	0.0075	3.73%	83.33%
5			Gold (Au)		7440-57-5	0.0015	0.75%	16.67%
				Subtotal		0.0090	4.48%	100%
6	Bonding wire	0.0040	Gold (Au)		7440-57-5	0.0040	1.99%	100.00%
0				Subtotal		0.0040	1.99%	100%
				Total	-	0.2010	100%	-

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•All information in this document is furnished for exploratory or indicative purposes only.

This information provides estimates of the average weights and content of component materials. and does not include impurities
or metals diffused in the silicon.

• ROHM strives for the accuracy of the information, however, ROHM does not give any representations or warranties as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information.

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