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.

							EMT	6M-HF-JE_Rev.6
Туре		Package Code		ROHM Package		Mass (mg)	Part No.	
Transistor		SOT-563(SC-107C)		EMT6 (Halogen free)		2.6369	-	
Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
	Mold compound	1.2611	Silica (amorphous	s)	60676-86-0	0.7437	28.20%	58.97%
			Epoxy resin		29690-82-2	0.1811	6.87%	14.36%
			Phenol novolak		9003-35-4	0.0970	3.68%	7.69%
1			Metal hydroxide		21645-51-2	0.2263	8.58%	17.94%
			Organic phosphor compounds	rus	-	0.0065	0.25%	0.52%
			Carbon black		1333-86-4	0.0065	0.25%	0.52%
				Subtotal		1.2611	47.83%	100%
	Lead frame (Base material)	1.0844	Iron (Fe)		7439-89-6	0.6290	23.85%	58.00%
2			Nickel (Ni)		7440-02-0	0.4554	17.27%	42.00%
				Subtotal		1.0844	41.12%	100%
3	Lead frame (Surface treatment)	0.1446	Copper (Cu)		7440-50-8	0.1446	5.48%	100.00%
3			Subtotal			0.1446	5.48%	100%
4	External plating	0.0588	Tin (Sn)		7440-31-5	0.0588	2.23%	100.00%
4				Subtotal		0.0588	2.23%	100%
5	Die	0.0740	Silicon (Si)		7440-21-3	0.0644	2.44%	87.03%
			Gold (Au)		7440-57-5	0.0096	0.36%	12.97%
				Subtotal		0.0740	2.81%	100%
	Bonding wire	0.0140	Gold (Au)		7440-57-5	0.0140	0.53%	100.00%
6				Subtotal		0.0140	0.53%	100%
				Total	-	2.6369	100%	-

•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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2)	Before you use our Products, please contact our sales representative and verify the latest specifica- tions :						
3)	Although ROHM is continuously working to improve product reliability and quality, semicon- ductors can break down and malfunction due to various factors. Therefore, in order to prevent personal injury or fire arising from failure, please take safety measures such as complying with the derating characteristics, implementing redundant and fire prevention designs, and utilizing backups and fail-safe procedures. ROHM shall have no responsibility for any damages arising out of the use of our Poducts beyond the rating specified by ROHM.						
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5)	The technical information specified herein is intended only to show the typical functions of and examples of application circuits for the Products. ROHM does not grant you, explicitly or implicitly, any license to use or exercise intellectual property or other rights held by ROHM or any other parties. ROHM shall have no responsibility whatsoever for any dispute arising out of the use of such technical information.						
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8)	For use of our Products in applications requiring a high degree of reliability (as exemplified below), please contact and consult with a ROHM representative : transportation equipment (i.e. cars, ships, trains), primary communication equipment, traffic lights, fire/crime prevention, safety equipment, medical systems, servers, solar cells, and power transmission systems.						
9)	Do not use our Products in applications requiring extremely high reliability, such as aerospace equipment, nuclear power control systems, and submarine repeaters.						
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