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							DI-1	O-220FNSn-JE_Rev.6
Туре		Package Code		ROHM Package		Mass (mg)	Part No.	
Diode		TO-220FN		TO-220FN		1800.0001	-	
Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
	Mold compound	952.3181	Silica (crystalline)		14808-60-7	726.0473	40.34%	76.24%
			Epoxy resin		29690-82-2	116.0876	6.45%	12.19%
			Phenol-formaldehyde resin		9003-35-4	67.7098	3.76%	7.11%
			Epoxy resin bromide		40039-93-8	19.3321	1.07%	2.03%
1			Antimony trioxide		1309-64-4	19.3321	1.07%	2.03%
			Organic phosphorus compounds		-	2.9522	0.16%	0.31%
			Bismuth compounds		-	0.8571	0.05%	0.09%
			Subtotal			952.3181	52.91%	100%
	Lead frame (Base material)	816.8330	Copper (Cu)		7440-50-8	816.0162	45.33%	99.90%
2			Iron (Fe)		7439-89-6	0.8168	0.05%	0.10%
			Subtotal			816.8330	45.38%	100%
3	External plating	15.6020	Tin (Sn)		7440-31-5	15.6020	0.87%	100.00%
3			Subtotal			15.6020	0.87%	100%
	Die	3.5020	Silicon (Si)		7440-21-3	3.4845	0.19%	99.50%
4			Silver (Ag)		7440-22-4	0.0175	0.001%	0.50%
				Subtotal		3.5020	0.19%	100%
	Die attach	10.2730	Tin (Sn)		7440-31-5	9.9134	0.55%	96.50%
5			Antimony (Sb)		7440-36-0	0.3596	0.02%	3.50%
				Subtotal		10.2730	0.57%	100%
6	Bonding wire	1.4720	Aluminum (Al)		7429-90-5	1.4720	0.08%	100.00%
U				Subtotal		1.4720	0.08%	100%
				Total	-	1800.0001	100%	-

Note
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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.

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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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