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DI-TO-247-JE_Rev.6

Туре	Package Code	ROHM Package	Mass (mg)	Part No.	
Diode	TO-247N	TO-247N	6417.6000	-	

Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	1946.8063	Silica (amorphous)		60676-86-0	1696.6417	26.44%	87.15%
			Epoxy resin		-	146.0105	2.28%	7.50%
			Phenol resin		-	97.3403	1.52%	5.00%
			Carbon black		1333-86-4	6.8138	0.11%	0.35%
				Subtotal		1946.8063	30.34%	100%
2	Lead frame (Base material)	4419.3157	Copper (Cu)		7440-50-8	4413.7916	68.78%	99.88%
			Tin (Sn)		7440-31-5	5.5241	0.09%	0.13%
				Subtotal		4419.3157	68.86%	100%
3	Lead frame (Surface treatment)	0.8082	Nickel (Ni)		7440-02-0	0.8082	0.01%	100.00%
				Subtotal		0.8082	0.01%	100%
4	External plating	5.7262	Tin (Sn)		7440-31-5	5.7262	0.09%	100.00%
				Subtotal		5.7262	0.09%	100%
5	Die	3.2458	Silicon (Si)		7440-21-3	3.1672	0.05%	97.58%
			Nickel (Ni)		7440-02-0	0.0419	0.001%	1.29%
			Silver (Ag)		7440-22-4	0.0260	0.0004%	0.80%
			Gold (Au)		7440-57-5	0.0107	0.0002%	0.33%
				Subtotal		3.2458	0.05%	100%
6	Die attach	28.5768	Lead (Pb) *1		7439-92-1	25.1476	0.39%	88.00%
			Tin (Sn)		7440-31-5	2.8577	0.045%	10.00%
			Silver (Ag)		7440-22-4	0.5715	0.009%	2.00%
				Subtotal		28.5768	0.45%	100%
7	Bonding wire	13.1211	Aluminum (AI)		7429-90-5	13.1211	0.20%	100.00%
\square				Subtotal		13.1211	0.20%	100%
					-	6417.6000	100%	-

Note

*1 : It is exempted from the RoHS, because of the high melting point solder.

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