

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.

TR-LPTS-Nip-JE_Rev.6

Туре	Package Code	ROHM Package	Mass (mg)	Part No.	
Transistor	TO-263(D2PAK)	LPTS	1446.2151	-	

Nº	Part Name	Weight (mg)	Substance Name		CAS №	Weight (mg)	Portion vs. Products	Portion vs. Part Name
1	Mold compound	472.5050	Silica (crystalline)		14808-60-7	380.9720	26.34%	80.63%
			Epoxy resin		29690-82-2	49.4770	3.42%	10.47%
			Phenol-formaldehyde resin		9003-35-4	34.6340	2.39%	7.33%
			Epoxy resin bromide		68541-56-0	4.9480	0.34%	1.05%
			Antimony trioxide		1309-64-4	2.4740	0.17%	0.52%
				Subtotal		472.5050	32.67%	100%
2	Lead frame (Base material)	936.0630	Copper (Cu)		7440-50-8	936.0630	64.73%	100.00%
				Subtotal		936.0630	64.73%	100%
3	Lead frame (Surface treatment)	0.0871	Nickel (Ni)		7440-02-0	0.0871	0.01%	100.00%
				Subtotal		0.0871	0.01%	100%
4	External plating	6.4070	Tin (Sn)		7440-31-5	6.2789	0.43%	98.00%
			Copper (Cu)		7440-50-8	0.1281	0.01%	2.00%
				Subtotal		6.4070	0.44%	100%
5	Die	17.8500	Silicon (Si)		7440-21-3	17.5770	1.22%	98.47%
			Nickel (Ni)		7440-02-0	0.1490	0.01%	0.83%
			Silver (Ag)		7440-22-4	0.0860	0.01%	0.48%
			Gold (Au)		7440-57-5	0.0380	0.00%	0.21%
				Subtotal		17.8500	1.23%	100%
6	Die attach	11.0030	Lead (Pb) *2		7439-92-1	10.5079	0.73%	95.50%
			Tin (Sn)		7440-31-5	0.2201	0.02%	2.00%
			Silver (Ag)		7440-22-4	0.2751	0.02%	2.50%
				Subtotal		11.0030	0.76%	100%
7	Bonding wire	2.3000	Aluminum (Al)		7429-90-5	2.3000	0.16%	100.00%
				Subtotal		2.3000	0.16%	100%
					-	1446.2151	100%	-

Note

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

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