



Material Content Data Sheet



Halogen-Free

Sales Product Name IPW60R099CP

Issued

17. February 2022

MA# MA005620551

Package PG-TO247-3-41

Weight*

6052.81 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	15.501	0.26	0.26	2561	2561
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87409	87523
wire	non noble metal	aluminium	7429-90-5	5.449	0.09	0.09	900	900
encapsulation	organic material	carbon black	1333-86-4	19.922	0.33		3291	
	plastics	epoxy resin	-	378.519	6.25		62536	
	inorganic material	silicondioxide	60676-86-0	1,593.763	26.33	32.91	263309	329136
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.648	0.01		107	
	noble metal	silver	7440-22-4	1.619	0.03		268	
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	696	1071
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.79	56.87	568001	568741
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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