



Material Content Data Sheet



Halogen-Free

Sales Product Name IPW60R037P7

Issued

14. February 2022

MA# MA005621018

Package PG-TO247-3-41

Weight*

6056.58 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	18.048	0.30	0.30	2980	2980
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87354	87467
wire	non noble metal	aluminium	7429-90-5	14.987	0.25	0.25	2474	2474
encapsulation	organic material	carbon black	1333-86-4	19.831	0.33		3274	
	plastics	epoxy resin	-	376.796	6.22		62213	
	inorganic material	silicondioxide	60676-86-0	1,586.509	26.19	32.74	261948	327435
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5263	5263
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4799	4799
solder	non noble metal	antimony	7440-36-0	0.723	0.01		119	
	noble metal	silver	7440-22-4	1.809	0.03		299	
	non noble metal	tin	7440-31-5	4.702	0.08	0.12	776	1194
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3,438.006	56.75	56.83	567649	568388
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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