



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPW65R110CFD	<b>Issued</b>	31. March 2021
<b>MA#</b>	MA001033148		
<b>Package</b>	PG-TO247-3-41	<b>Weight*</b>	6052.74 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	87410	87524
wire	non noble metal	aluminium	7429-90-5	5.203	0.09	0.09	860	860
encapsulation	organic material	carbon black	1333-86-4	19.924	0.33		3292	
	plastics	epoxy resin	-	378.552	6.25		62542	
	inorganic material	silicondioxide	60676-86-0	1,593.902	26.33	32.91	263335	329169
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	568007	568747
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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