



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPW60R024CFD7	<b>Issued</b>	11. August 2021
<b>MA#</b>	MA005416840		
<b>Package</b>	PG-TO247-3-44	<b>Weight*</b>	6061.44 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	26.233	0.43	0.43	4328	4328
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	8.73	8.74	87284	87397
wire	non noble metal	aluminium	7429-90-5	20.199	0.33	0.33	3332	3332
encapsulation	organic material	carbon black	1333-86-4	19.721	0.33		3253	
	plastics	epoxy resin	-	374.692	6.18		61816	
	inorganic material	silicondioxide	60676-86-0	1,577.649	26.03	32.54	260277	325346
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5259	5259
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4795	4795
solder	non noble metal	antimony	7440-36-0	0.977	0.02		161	
	noble metal	silver	7440-22-4	2.442	0.04		403	
	non noble metal	tin	7440-31-5	6.348	0.10	0.16	1047	1611
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3,438.006	56.71	56.79	567194	567932
*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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