



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPW60R045CP	<b>Issued</b>	08. April 2021
<b>MA#</b>	MA001782092		
<b>Package</b>	PG-TO247-3-41	<b>Weight*</b>	6063.90 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	35.449	0.58	0.58	5846	5846
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	8.72	8.73	87249	87362
wire	non noble metal	aluminium	7429-90-5	16.158	0.27	0.27	2665	2665
encapsulation	organic material	carbon black	1333-86-4	19.666	0.32		3243	
	plastics	epoxy resin	-	373.662	6.16		61621	
	inorganic material	silicondioxide	60676-86-0	1,573.313	25.95	32.43	259456	324320
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5256	5256
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4793	4793
solder	non noble metal	antimony	7440-36-0	1.247	0.02		206	
	noble metal	silver	7440-22-4	3.117	0.05		514	
	non noble metal	tin	7440-31-5	8.105	0.13	0.20	1337	2057
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	56.70	56.78	566963	567701
*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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