



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW90R120C3		<b>Issued</b>		2. August 2018		
<b>MA#</b>		MA000468396						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6060.72 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	5849	5849
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
wire	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87295	87408
	non noble metal	aluminium	7429-90-5	12.692	0.21	0.21	2094	2094
encapsulation	organic material	carbon black	1333-86-4	19.669	0.32		3245	
	plastics	epoxy resin	-	373.718	6.17		61662	
leadfinish	inorganic material	silicondioxide	60676-86-0	1573.548	25.96	32.45	259631	324538
	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	4796	4796
solder	non noble metal	antimony	7440-36-0	1.247	0.02		206	
	noble metal	silver	7440-22-4	3.117	0.05		514	
heatspreader	non noble metal	tin	7440-31-5	8.105	0.13	0.20	1337	2057
	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	3438.006	56.73	56.81	567261	567999
*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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