



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW65R019C7		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA002245748						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6061.09 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	35.362	0.58	0.58	5834	5834
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		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	87290	87403
	non noble metal	aluminium	7429-90-5	16.151	0.27	0.27	2665	2665
wire	non noble metal	aluminium	7429-90-5	16.151	0.27	0.27	2665	2665
encapsulation	organic material	carbon black	1333-86-4	19.640	0.32		3240	
	plastics	epoxy resin	-	373.151	6.16		61565	
	inorganic material	silicondioxide	60676-86-0	1571.163	25.92	32.40	259222	324027
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	1.244	0.02		205	
	noble metal	silver	7440-22-4	3.111	0.05		513	
	non noble metal	tin	7440-31-5	8.089	0.13	0.20	1335	2053
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	3438.006	56.72	56.80	567226	567964
*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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