



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW65R041CFD		<b>Issued</b>		19. January 2018		
<b>MA#</b>		MA000920132						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6062.17 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	39.403	0.65	0.65	6500	6500
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87274	87387
wire	non noble metal	aluminium	7429-90-5	11.319	0.19	0.19	1867	1867
encapsulation	organic material	carbon black	1333-86-4	19.646	0.32		3241	
	plastics	epoxy resin	-	373.273	6.16		61574	
	inorganic material	silicondioxide	60676-86-0	1571.677	25.93	32.41	259260	324075
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5258	5258
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4794	4794
solder	non noble metal	antimony	7440-36-0	1.367	0.02		225	
	noble metal	silver	7440-22-4	3.417	0.06		564	
	non noble metal	tin	7440-31-5	8.885	0.15	0.23	1466	2255
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.69	56.77	567126	567864
*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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