



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW60R037P7		<b>Issued</b>		25. January 2018		
<b>MA#</b>		MA002054946						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6053.70 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	18.048	0.30	0.30	2981	2981
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87396	87510
	non noble metal	aluminium	7429-90-5	12.539	0.21	0.21	2071	2071
wire	non noble metal	aluminium	7429-90-5	12.539	0.21	0.21	2071	2071
encapsulation	organic material	carbon black	1333-86-4	19.827	0.33		3275	
	plastics	epoxy resin	-	376.713	6.22		62228	
	inorganic material	silicondioxide	60676-86-0	1586.159	26.20	32.75	262015	327518
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5265	5265
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4801	4801
solder	non noble metal	antimony	7440-36-0	0.723	0.01		119	
	noble metal	silver	7440-22-4	1.809	0.03		299	
	non noble metal	tin	7440-31-5	4.702	0.08	0.12	777	1195
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.78	56.86	567919	568659
*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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