



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW60R230P6		<b>Issued</b>		9. November 2016		
<b>MA#</b>		MA001030668						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6052.50 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	6.823	0.11	0.11	1127	1127
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87413	87527
wire	non noble metal	aluminium	7429-90-5	43.825	0.72	0.72	7241	7241
encapsulation	organic material	carbon black	1333-86-4	19.652	0.32		3247	
	plastics	epoxy resin	-	373.386	6.17		61691	
	inorganic material	silicondioxide	60676-86-0	1572.151	25.98	32.47	259752	324690
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.349	0.01		58	
	noble metal	silver	7440-22-4	0.872	0.01		144	
	non noble metal	tin	7440-31-5	2.268	0.04	0.06	375	577
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	56.80	56.88	568030	568770
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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