



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW60R160P6		<b>Issued</b>		24. January 2018		
<b>MA#</b>		MA001725762						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6049.25 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	9.747	0.16	0.16	1611	1611
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
wire	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87460	87574
	non noble metal	aluminium	7429-90-5	4.203	0.07	0.07	695	695
encapsulation	organic material	carbon black	1333-86-4	19.976	0.33		3302	
	plastics	epoxy resin	-	379.539	6.27		62742	
leadfinish	inorganic material	silicondioxide	60676-86-0	1598.061	26.42	33.02	264175	330219
	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.455	0.01		75	
	noble metal	silver	7440-22-4	1.136	0.02		188	
heatspreader	non noble metal	tin	7440-31-5	2.955	0.05	0.08	488	751
	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	56.82	56.90	568336	569076
*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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