



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA60R750E6		<b>Issued</b>		24. January 2018		
<b>MA#</b>		MA001702414						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2215.70 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	2.737	0.12	0.12	1235	1235
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		408	
	non noble metal	copper	7440-50-8	902.149	40.72	40.77	407163	407693
	non noble metal	aluminium	7429-90-5	0.777	0.04	0.04	351	351
wire	non noble metal	aluminium	7429-90-5	0.777	0.04	0.04	351	351
encapsulation	organic material	carbon black	1333-86-4	2.311	0.10		1043	
	plastics	epoxy resin	-	216.717	9.78		97810	
	inorganic material	silicondioxide	60676-86-0	933.375	42.13	52.01	421256	520109
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3555	3555
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	747	747
solder	non noble metal	antimony	7440-36-0	0.186	0.01		84	
	noble metal	silver	7440-22-4	0.466	0.02		210	
	non noble metal	tin	7440-31-5	1.211	0.05	0.08	546	840
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.54	6.55	65385	65470
*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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