



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA60R520E6		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA001703060						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2218.95 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	3.425	0.15	0.15	1544	1544
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		407	
	non noble metal	copper	7440-50-8	902.149	40.66	40.71	406566	407095
	non noble metal	aluminium	7429-90-5	0.788	0.04	0.04	355	355
wire	non noble metal	aluminium	7429-90-5	0.788	0.04	0.04	355	355
encapsulation	organic material	carbon black	1333-86-4	2.322	0.10		1047	
	plastics	epoxy resin	-	217.214	9.79		97891	
	inorganic material	silicondioxide	60676-86-0	935.127	42.15	52.04	421428	520366
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3550	3550
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	746	746
solder	non noble metal	antimony	7440-36-0	0.215	0.01		97	
	noble metal	silver	7440-22-4	0.537	0.02		242	
	non noble metal	tin	7440-31-5	1.397	0.06	0.09	630	969
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	6.53	6.54	65290	65375
*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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