



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA80R1K4P7		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA002116530						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2214.76 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	1.500	0.07	0.07	677	677
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	40.73	40.78	407334	407864
	non noble metal	aluminium	7429-90-5	0.767	0.03	0.03	346	346
wire	non noble metal	aluminium	7429-90-5	0.767	0.03	0.03	346	346
encapsulation	organic material	carbon black	1333-86-4	2.315	0.10		1045	
	plastics	epoxy resin	-	216.914	9.79		97940	
	inorganic material	silicondioxide	60676-86-0	934.070	42.19	52.08	421748	520733
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3557	3557
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	748	748
solder	non noble metal	antimony	7440-36-0	0.128	0.01		58	
	noble metal	silver	7440-22-4	0.319	0.01		144	
	non noble metal	tin	7440-31-5	0.830	0.04	0.06	375	577
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	65413	65498
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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