



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA80R360P7		<b>Issued</b>		31. July 2018		
<b>MA#</b>		MA002112106						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2208.12 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	4.140	0.19	0.19	1875	1875
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.86	40.91	408560	409092
	non noble metal	aluminium	7429-90-5	2.960	0.13	0.13	1341	1341
wire	non noble metal	aluminium	7429-90-5	2.960	0.13	0.13	1341	1341
encapsulation	organic material	carbon black	1333-86-4	2.299	0.10		1041	
	plastics	epoxy resin	-	214.630	9.72		97200	
	inorganic material	silicondioxide	60676-86-0	923.709	41.83	51.65	418325	516566
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3567	3567
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.246	0.01		111	
	noble metal	silver	7440-22-4	0.615	0.03		278	
	non noble metal	tin	7440-31-5	1.598	0.07	0.11	724	1113
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65610	65696
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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