



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA60R160C6		<b>Issued</b>		4. July 2019		
<b>MA#</b>		MA001702392						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2204.07 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	0.44	0.44	4422	4422
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
	non noble metal	copper	7440-50-8	902.149	40.93	40.98	409311	409844
	non noble metal	aluminium	7429-90-5	2.927	0.13	0.13	1328	1328
wire	non noble metal	aluminium	7429-90-5	2.927	0.13	0.13	1328	1328
encapsulation	organic material	carbon black	1333-86-4	2.332	0.11		1058	
	plastics	epoxy resin	-	213.027	9.67		96651	
	inorganic material	silicondioxide	60676-86-0	913.570	41.45	51.23	414493	512202
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3574	3574
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.455	0.02		206	
	noble metal	silver	7440-22-4	1.136	0.05		516	
	non noble metal	tin	7440-31-5	2.955	0.13	0.20	1341	2063
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	6.57	6.58	65730	65816
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com