



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP80R360P7		<b>Issued</b>		24. January 2018	
<b>MA#</b>				MA002124954					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2031.35 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	0.20	0.20	2038	2038	
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	iron	7439-89-6	0.816	0.04		402		
	non noble metal	copper	7440-50-8	815.335	40.15	40.20	401374	401897	
	non noble metal	aluminium	7429-90-5	2.920	0.14	0.14	1437	1437	
wire	non noble metal	aluminium	7429-90-5	2.920	0.14	0.14	1437	1437	
encapsulation	organic material	carbon black	1333-86-4	5.935	0.29		2922		
	plastics	epoxy resin	-	112.764	5.55		55512		
	inorganic material	silicondioxide	60676-86-0	474.795	23.37	29.21	233734	292168	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10566	10566	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121	
solder	non noble metal	antimony	7440-36-0	0.246	0.01		121		
	noble metal	silver	7440-22-4	0.615	0.03		303		
	non noble metal	tin	7440-31-5	1.598	0.08	0.12	787	1211	
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	iron	7439-89-6	0.590	0.03		291		
	non noble metal	copper	7440-50-8	589.466	29.02	29.06	290184	290562	
*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

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