



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP80N08S4-06		<b>Issued</b>		19. July 2018	
<b>MA#</b>				MA001106234					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2035.77 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	4.426	0.22	0.22	2174	2174	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		401		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	copper	7440-50-8	815.335	40.06	40.11	400504	401025	
wire	non noble metal	aluminium	7429-90-5	5.655	0.28	0.28	2778	2778	
encapsulation	organic material	carbon black	1333-86-4	8.909	0.44		4376		
	plastics	epoxy resin	-	97.998	4.81		48138		
	inorganic material	silicondioxide	60676-86-0	487.019	23.92	29.17	239231	291745	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10543	10543	
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	400503	120	
solder	noble metal	silver	7440-22-4	0.086	0.00		42		
	non noble metal	tin	7440-31-5	0.069	0.00		34		
	non noble metal	lead	7439-92-1	3.272	0.16	0.16	1607	1683	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	28.96	29.00	289555	289932	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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