



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP040N06N3 G		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA000977580					
<b>Package</b>				PG-TO220-3-123		<b>Weight*</b>		2033.87 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	5.184	0.25	0.25	2549	2549	
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	40.09	40.14	400879	401400	
wire	non noble metal	aluminium	7429-90-5	59.585	2.93	2.93	29297	29297	
encapsulation	organic material	carbon black	1333-86-4	2.146	0.11		1055		
	plastics	epoxy resin	-	62.226	3.06		30595		
	inorganic material	silicondioxide	60676-86-0	472.062	23.21	26.38	232101	263751	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10553	10553	
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	867	867	
solder	non noble metal	antimony	7440-36-0	0.281	0.01		138		
	noble metal	silver	7440-22-4	0.702	0.03		345		
	non noble metal	tin	7440-31-5	1.824	0.09	0.13	897	1380	
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	28.98	29.02	289826	290203	
*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.
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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