



Material Content Data Sheet



Sales Product Name				IPP147N12N3 G		Issued		27. September 2017	
MA#				MA001137220					
Package				PG-TO220-3-123		Weight*		2027.11 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	4.429	0.22	0.22	2185	2185	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		403		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	copper	7440-50-8	815.335	40.22	40.27	402216	402740	
wire	non noble metal	aluminium	7429-90-5	5.558	0.27	0.27	2742	2742	
encapsulation	organic material	carbon black	1333-86-4	2.337	0.12		1153		
	plastics	epoxy resin	-	67.785	3.34		33440		
	inorganic material	silicondioxide	60676-86-0	514.235	25.37	28.83	253680	288273	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10588	10588	
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870	
solder	non noble metal	tin	7440-31-5	1.888	0.09		931		
	noble metal	silver	7440-22-4	0.726	0.04		358		
	non noble metal	antimony	7440-36-0	0.290	0.01	0.14	143	1432	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	29.08	29.12	290792	291170	
*deviation	< 10%					Sum in total:	100.00	1000000	

Important Remarks:

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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 does not use any exemption

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