



Material Content Data Sheet



Sales Product Name		IPP100N04S4-H2		Issued		1. August 2018		
MA#		MA001047442						
Package		PG-TO220-3-1		Weight*		2044.95 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	3.483	0.17	0.17	1703	1703
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		399	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	copper	7440-50-8	815.335	39.86	39.91	398707	399227
wire	non noble metal	aluminium	7429-90-5	93.999	4.60	4.60	45966	45966
encapsulation	organic material	carbon black	1333-86-4	7.743	0.38		3787	
	plastics	epoxy resin	-	85.177	4.17		41653	
	inorganic material	silicondioxide	60676-86-0	423.305	20.70	25.25	207001	252441
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10495	10495
plating	non noble metal	nickel	7440-02-0	0.244	0.01		119	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	119
solder	noble metal	silver	7440-22-4	0.073	0.00		35	
	non noble metal	tin	7440-31-5	0.058	0.00		28	
	non noble metal	lead	7439-92-1	2.771	0.14	0.14	1355	1418
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		289	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	28.83	28.87	288255	288631
*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.

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