



Material Content Data Sheet



Sales Product Name		IPP120N04S4-02		Issued		1. August 2018		
MA#		MA001043560						
Package		PG-TO220-3-1		Weight*		2047.67 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	4.984	0.24	0.24	2434	2434
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	39.83	39.88	398175	398695
wire	non noble metal	aluminium	7429-90-5	110.106	5.38	5.38	53771	53771
encapsulation	organic material	carbon black	1333-86-4	7.508	0.37		3666	
	plastics	epoxy resin	-	82.584	4.03		40331	
	inorganic material	silicondioxide	60676-86-0	410.419	20.04	24.44	200432	244429
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10481	10481
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	0.093	0.00		46	
	non noble metal	tin	7440-31-5	0.075	0.00		37	
	non noble metal	lead	7439-92-1	3.568	0.17	0.17	1743	1826
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		288	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		86	
	non noble metal	copper	7440-50-8	589.466	28.79	28.83	287871	288245
*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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