



Material Content Data Sheet



Sales Product Name		IPP045N10N3 G		Issued		10. December 2015		
MA#		MA001403898						
Package		PG-TO220-3-123		Weight*		2029.65 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	8.861	0.44	0.44	4366	4366
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.17	40.22	401712	402235
wire	non noble metal	aluminium	7429-90-5	8.857	0.44	0.44	4364	4364
encapsulation	organic material	carbon black	1333-86-4	2.310	0.11		1138	
	plastics	epoxy resin	-	66.989	3.30		33005	
	inorganic material	silicondioxide	60676-86-0	508.190	25.04	28.45	250382	284525
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10707	10707
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	880	880
solder	non noble metal	antimony	7440-36-0	0.430	0.02		212	
	noble metal	silver	7440-22-4	1.075	0.05		530	
	non noble metal	tin	7440-31-5	2.795	0.14	0.21	1377	2119
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	29.04	29.08	290426	290804
*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 2011/65/EU (RoHS) and does not use any exemption.

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