



Material Content Data Sheet



Sales Product Name				IPP015N04N G		Issued		20. July 2018	
MA#				MA000840942					
Package				PG-TO220-3-123		Weight*		2029.45 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	8.901	0.44	0.44	4386	4386	
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	40.18	40.23	401751	402274	
wire	non noble metal	aluminium	7429-90-5	10.132	0.50	0.50	4992	4992	
encapsulation	organic material	carbon black	1333-86-4	2.305	0.11		1136		
	plastics	epoxy resin	-	66.858	3.29		32944		
	inorganic material	silicondioxide	60676-86-0	507.202	24.99	28.39	249922	284002	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10576	10576	
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869	
solder	non noble metal	antimony	7440-36-0	0.419	0.02		207		
	noble metal	silver	7440-22-4	1.048	0.05		516		
	non noble metal	tin	7440-31-5	2.725	0.13	0.20	1343	2066	
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	29.05	29.09	290457	290835	
*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 does not use any exemption

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