



Material Content Data Sheet



Sales Product Name		IPA040N06N		Issued		1. August 2018		
MA#		MA001652682						
Package		PG-TO220-3-313		Weight*		2222.21 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	1.427	0.06	0.06	642	642
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		406	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	copper	7440-50-8	902.149	40.60	40.65	405968	406496
wire	non noble metal	aluminium	7429-90-5	6.637	0.30	0.30	2987	2987
encapsulation	organic material	carbon black	1333-86-4	2.325	0.10		1046	
	plastics	epoxy resin	-	217.327	9.78		97797	
	inorganic material	silicondioxide	60676-86-0	935.523	42.12	52.00	420988	519831
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3545	3545
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	745	745
solder	non noble metal	antimony	7440-36-0	0.106	0.00		47	
	noble metal	silver	7440-22-4	0.264	0.01		119	
	non noble metal	tin	7440-31-5	0.686	0.03	0.04	309	475
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		65	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	copper	7440-50-8	144.874	6.52	6.53	65194	65279
*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.
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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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com