



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA040N06N	Issued	30. March 2021
MA#	MA001333150		
Package	PG-TO220-3-313	Weight*	2208.82 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	646	646
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.84	40.89	408430	408962
wire	non noble metal	aluminium	7429-90-5	8.179	0.37	0.37	3703	3703
encapsulation	organic material	carbon black	1333-86-4	2.295	0.10		1039	
	plastics	epoxy resin	-	214.519	9.71		97119	
	inorganic material	silicondioxide	60676-86-0	923.427	41.82	51.63	418062	516220
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3566	3566
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.106			48	
	noble metal	silver	7440-22-4	0.264	0.01		119	
	non noble metal	tin	7440-31-5	0.686	0.03	0.04	311	478
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65589	65675
*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.

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