



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP015N04N G	Issued	12. August 2021
MA#	MA005617760		
Package	PG-TO220-3-123	Weight*	2031.92 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	4381	4381
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.13	40.18	401264	401787
wire	non noble metal	aluminium	7429-90-5	12.606	0.62	0.62	6204	6204
encapsulation	organic material	carbon black	1333-86-4	2.305	0.11		1135	
	plastics	epoxy resin	-	66.858	3.29		32904	
	inorganic material	silicondioxide	60676-86-0	507.202	24.96	28.36	249617	283656
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10563	10563
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	868	868
solder	non noble metal	antimony	7440-36-0	0.419	0.02		206	
	noble metal	silver	7440-22-4	1.047	0.05		515	
	non noble metal	tin	7440-31-5	2.722	0.13	0.20	1340	2061
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	29.01	29.05	290103	290480
*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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