



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP100N08N3 G	Issued	24. June 2021
MA#	MA000840906		
Package	PG-TO220-3-123	Weight*	2027.16 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	2.461	0.12	0.12	1214	1214
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.22	40.27	402206	402730
wire	non noble metal	aluminium	7429-90-5	7.185	0.35	0.35	3544	3544
encapsulation	organic material	carbon black	1333-86-4	2.344	0.12		1156	
	plastics	epoxy resin	-	67.984	3.35		33536	
	inorganic material	silicondioxide	60676-86-0	515.737	25.44	28.91	254414	289106
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10587	10587
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.159	0.01		79	
	noble metal	silver	7440-22-4	0.398	0.02		197	
	non noble metal	tin	7440-31-5	1.036	0.05	0.08	511	787
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.08	29.12	290784	291162
*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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