



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP180N10N3 G	<b>Issued</b>	26. June 2021
<b>MA#</b>	MA005569439		
<b>Package</b>	PG-TO220-3-324	<b>Weight*</b>	1924.09 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	2.307	0.12	0.12	1199	1199
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		756	
	non noble metal	copper	7440-50-8	1,452.764	75.50	75.60	755040	756023
wire	non noble metal	aluminium	7429-90-5	3.624	0.19	0.19	1884	1884
encapsulation	organic material	carbon black	1333-86-4	2.266	0.12		1178	
	inorganic material	zinc borate	-	43.058	2.24		22378	
	plastics	epoxy resin	-	90.649	4.71		47113	
	inorganic material	silicon dioxide	60676-86-0	317.271	16.49	23.56	164894	235563
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3920	3920
plating	non noble metal	nickel	7440-02-0	1.043	0.05	0.05	542	542
solder	non noble metal	antimony	7440-36-0	0.167	0.01		87	
	noble metal	silver	7440-22-4	0.418	0.02		217	
	non noble metal	tin	7440-31-5	1.088	0.06	0.09	565	869
*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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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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