



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP111N15N3 G	<b>Issued</b>	24. June 2021
<b>MA#</b>	MA005552280		
<b>Package</b>	PG-TO220-3-324	<b>Weight*</b>	1930.61 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	10.752	0.56	0.56	5569	5569
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		226	
	non noble metal	iron	7439-89-6	1.455	0.08		753	
	non noble metal	copper	7440-50-8	1,452.764	75.25	75.35	752493	753472
wire	non noble metal	aluminium	7429-90-5	11.552	0.60	0.60	5984	5984
encapsulation	organic material	carbon black	1333-86-4	2.200	0.11		1139	
	inorganic material	zinc borate	-	41.794	2.16		21648	
	plastics	epoxy resin	-	87.987	4.56		45575	
	inorganic material	silicondioxide	60676-86-0	307.956	15.95	22.78	159513	227875
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3906	3906
plating	non noble metal	nickel	7440-02-0	1.043	0.05	0.05	540	540
solder	non noble metal	antimony	7440-36-0	0.512	0.03		265	
	noble metal	silver	7440-22-4	1.281	0.07		664	
	non noble metal	tin	7440-31-5	3.331	0.17	0.27	1725	2654
*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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