



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP041N12N3 G	<b>Issued</b>	24. June 2021
<b>MA#</b>	MA005552231		
<b>Package</b>	PG-TO220-3-324	<b>Weight*</b>	1933.32 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	17.562	0.91	0.91	9084	9084
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		226	
	non noble metal	iron	7439-89-6	1.455	0.08		752	
	non noble metal	copper	7440-50-8	1,452.764	75.15	75.25	751436	752414
wire	non noble metal	aluminium	7429-90-5	11.184	0.58	0.58	5785	5785
encapsulation	organic material	carbon black	1333-86-4	2.171	0.11		1123	
	inorganic material	zinc borate	-	41.243	2.13		21333	
	plastics	epoxy resin	-	86.828	4.49		44911	
	inorganic material	silicondioxide	60676-86-0	303.897	15.72	22.45	157189	224556
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3901	3901
plating	non noble metal	nickel	7440-02-0	1.043	0.05	0.05	539	539
solder	non noble metal	antimony	7440-36-0	0.719	0.04		372	
	noble metal	silver	7440-22-4	1.799	0.09		930	
	non noble metal	tin	7440-31-5	4.676	0.24	0.37	2419	3721
*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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