



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP110N20N3 G	Issued	24. June 2021
MA#	MA005552179		
Package	PG-TO220-3-324	Weight*	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.
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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