



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP110N20N3 G	Issued	17. February 2022
MA#	MA005698397		
Package	PG-TO220-3-1	Weight*	2041.23 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	0.86	0.86	8604	8604
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		400	
	non noble metal	copper	7440-50-8	815.335	39.93	39.98	399432	399952
wire	non noble metal	aluminium	7429-90-5	14.844	0.73	0.73	7272	7272
encapsulation	organic material	carbon black	1333-86-4	5.733	0.28		2809	
	plastics	epoxy resin	-	108.926	5.34		53363	
	inorganic material	silicondioxide	60676-86-0	458.636	22.47	28.09	224686	280858
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10514	10514
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.719	0.04		352	
	noble metal	silver	7440-22-4	1.799	0.09		881	
	non noble metal	tin	7440-31-5	4.676	0.23	0.36	2291	3524
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		289	
	non noble metal	copper	7440-50-8	589.466	28.88	28.92	288779	289155
*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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