



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP037N08N3 G	<b>Issued</b>	16. May 2021
<b>MA#</b>	MA005403402		
<b>Package</b>	PG-TO220-3-123	<b>Weight*</b>	2039.57 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	7.048	0.35	0.35	3456	3456
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	39.99	40.04	399759	400279
wire	non noble metal	aluminium	7429-90-5	10.404	0.51	0.51	5101	5101
encapsulation	organic material	carbon black	1333-86-4	2.944	0.14		1443	
	miscellaneous	miscellaneous	-	2.944	0.14		1443	
	organic material	phenol formaldehyde resin	9003-35-4	35.325	1.73		17320	
	inorganic material	silicondioxide	14808-60-7	47.099	2.31		23093	
	non noble metal	metal hydroxide	-	47.099	2.31		23093	
	plastics	epoxy resin	29690-82-2	70.649	3.46		34639	
	inorganic material	silicondioxide	60676-86-0	382.682	18.76	28.85	187630	288661
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10523	10523
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	865	865
solder	non noble metal	antimony	7440-36-0	0.352	0.02		172	
	noble metal	silver	7440-22-4	0.879	0.04		431	
	non noble metal	tin	7440-31-5	2.285	0.11	0.17	1120	1723
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	28.90	28.94	289016	289392
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com