



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPB038N12N3 G	<b>Issued</b>	18. March 2021
<b>MA#</b>	MA000800814		
<b>Package</b>	PG-TO263-3-2	<b>Weight*</b>	1570.77 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	1.12	1.12	11181	11181
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		58	
	non noble metal	iron	7439-89-6	0.304	0.02		194	
	non noble metal	copper	7440-50-8	304.026	19.36	19.39	193552	193804
wire	non noble metal	aluminium	7429-90-5	14.605	0.93	0.93	9298	9298
encapsulation	inorganic material	zinc oxide	1314-13-2	6.656	0.42		4238	
	miscellaneous	miscellaneous	-	26.625	1.70		16950	
	plastics	epoxy resin	-	99.842	6.36		63562	
	inorganic material	silicon dioxide	60676-86-0	532.491	33.90	42.38	339000	423750
lead finish	non noble metal	tin	7440-31-5	9.657	0.61	0.61	6148	6148
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	145	146
solder	non noble metal	tin	7440-31-5	0.206	0.01		131	
	noble metal	silver	7440-22-4	0.258	0.02		164	
	non noble metal	lead	7439-92-1	9.839	0.63	0.66	6264	6559
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105	
	non noble metal	iron	7439-89-6	0.548	0.03		349	
	non noble metal	copper	7440-50-8	547.666	34.86	34.90	348660	349114
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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