



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPD110N12N3 G	Issued	11. May 2021
MA#	MA001662912		
Package	PG-TO252-3-313	Weight*	322.03 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	5.755	1.79	1.79	17871	17871
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		137	
	non noble metal	iron	7439-89-6	0.147	0.05		457	
	non noble metal	copper	7440-50-8	147.096	45.65	45.71	456776	457370
wire	non noble metal	aluminium	7429-90-5	4.718	1.47	1.47	14652	14652
encapsulation	inorganic material	zinc oxide	1314-13-2	1.352	0.42		4198	
	miscellaneous	miscellaneous	-	6.760	2.10		20991	
	plastics	epoxy resin	-	20.279	6.30		62973	
	inorganic material	silicon dioxide	60676-86-0	106.805	33.17	41.99	331659	419821
lead finish	non noble metal	tin	7440-31-5	3.740	1.16	1.16	11614	11614
plating	inorganic material	phosphorus	7723-14-0	0.003			11	
	non noble metal	nickel	7440-02-0	1.421	0.44	0.44	4411	4422
solder	non noble metal	tin	7440-31-5	0.094	0.03		292	
	noble metal	silver	7440-22-4	0.118	0.04		366	
	non noble metal	lead	7439-92-1	4.497	1.40	1.47	13963	14621
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			18	
	non noble metal	iron	7439-89-6	0.019	0.01		60	
	non noble metal	copper	7440-50-8	19.177	5.96	5.97	59551	59629
*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.

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