

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPD320N20N3 G	**Issued**	08. April 2022
MA#	MA005711161		
Package	PG-TO252-3-313	**Weight***	322.67 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	6.322	1.96	1.96	19593	19593
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		137	
	non noble metal	iron	7439-89-6	0.147	0.05		456	
	non noble metal	copper	7440-50-8	147.096	45.58	45.64	455877	456470
wire	non noble metal	aluminium	7429-90-5	5.756	1.78	1.78	17838	17838
encapsulation	inorganic material	zincoxide	1314-13-2	1.339	0.42		4151	
	miscellaneous	miscellaneous	-	6.697	2.08		20754	
	plastics	epoxy resin	-	20.090	6.23		62263	
	inorganic material	silicondioxide	60676-86-0	105.808	32.79	41.52	327919	415087
leadfinish	non noble metal	tin	7440-31-5	3.740	1.16	1.16	11591	11591
plating	inorganic material	phosphorus	7723-14-0	0.003			11	
	non noble metal	nickel	7440-02-0	1.421	0.44	0.44	4402	4413
solder	non noble metal	tin	7440-31-5	0.100	0.03		310	
	noble metal	silver	7440-22-4	0.125	0.04		387	
	non noble metal	lead	7439-92-1	4.775	1.48	1.55	14799	15496
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	5.94	5.95	59434	59512
*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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