

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPI086N10N3 G	**Issued**	24. February 2022
MA#	MA005699953		
Package	PG-TO262-3-1	**Weight***	1571.05 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	4.609	0.29	0.29	2934	2934
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	iron	7439-89-6	0.851	0.05		542	
	non noble metal	copper	7440-50-8	849.682	54.09	54.16	540836	541540
wire	non noble metal	aluminium	7429-90-5	8.110	0.52	0.52	5162	5162
encapsulation	organic material	carbon black	1333-86-4	5.831	0.37		3712	
	plastics	epoxy resin	-	110.790	7.05		70520	
	inorganic material	silicondioxide	60676-86-0	466.486	29.69	37.11	296927	371159
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9674	9674
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	antimony	7440-36-0	0.266	0.02		169	
	noble metal	silver	7440-22-4	0.665	0.04		423	
	non noble metal	tin	7440-31-5	1.728	0.11	0.17	1100	1692
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.76	6.77	67605	67693
*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.

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