



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPI045N10N3 G	Issued	16. May 2021
MA#	MA005403185		
Package	PG-TO262-3-22	Weight*	1578.20 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	8.861	0.56	0.56	5615	5615
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162	
	non noble metal	iron	7439-89-6	0.851	0.05		539	
	non noble metal	copper	7440-50-8	849.682	53.84	53.91	538385	539086
wire	non noble metal	aluminium	7429-90-5	11.774	0.75	0.75	7460	7460
encapsulation	organic material	carbon black	1333-86-4	2.896	0.18		1835	
	miscellaneous	miscellaneous	-	2.896	0.18		1835	
	organic material	phenol formaldehyde resin	9003-35-4	34.757	2.20		22023	
	inorganic material	silicondioxide	14808-60-7	46.343	2.94		29365	
	non noble metal	metal hydroxide	-	46.343	2.94		29365	
	plastics	epoxy resin	29690-82-2	69.515	4.40		44047	
	inorganic material	silicondioxide	60676-86-0	376.537	23.86	36.70	238587	367057
leadfinish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9630	9630
plating	non noble metal	nickel	7440-02-0	1.651	0.10	0.10	1046	1046
solder	non noble metal	antimony	7440-36-0	0.429	0.03		272	
	noble metal	silver	7440-22-4	1.074	0.07		680	
	non noble metal	tin	7440-31-5	2.791	0.18	0.28	1769	2721
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		67	
	non noble metal	copper	7440-50-8	106.210	6.73	6.74	67298	67385
*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 does not use any exemption.

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