



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IRFI1310NPBF	<b>Issued</b>	21. July 2021
<b>MA#</b>	MA005540445		
<b>Package</b>	PG-TO220-3-901	<b>Weight*</b>	2167.64 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	12.939	0.60	0.60	5969	5969
leadframe	inorganic material	phosphorus	7723-14-0	0.341	0.02		157	
	non noble metal	iron	7439-89-6	1.138	0.05		525	
	non noble metal	copper	7440-50-8	1,136.331	52.41	52.48	524225	524907
wire	non noble metal	aluminium	7429-90-5	2.315	0.11	0.11	1068	1068
encapsulation	organic material	carbon black	1333-86-4	2.980	0.14		1375	
	inorganic material	zink oxide	1314-13-2	9.933	0.46		4582	
	organic material	phenol formaldehyde resin	9003-35-4	99.328	4.58		45823	
	inorganic material	silicondioxide	14808-60-7	881.040	40.65	45.83	406452	458232
leadfinish	non noble metal	tin	7440-31-5	7.883	0.36	0.36	3637	3637
plating	non noble metal	nickel	7440-02-0	6.793	0.31	0.31	3134	3134
solder	non noble metal	antimony	7440-36-0	0.662	0.03		305	
	noble metal	silver	7440-22-4	1.655	0.08		763	
	non noble metal	tin	7440-31-5	4.302	0.20	0.31	1985	3053
*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