



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IRF1010EPBF	<b>Issued</b>	27. April 2022
<b>MA#</b>	MA005724284		
<b>Package</b>	PG-TO220-3-62	<b>Weight*</b>	1844.16 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	7.263	0.39	0.39	3938	3938
leadframe	inorganic material	phosphorus	7723-14-0	0.411	0.02		223	
	non noble metal	iron	7439-89-6	1.371	0.07		744	
	non noble metal	copper	7440-50-8	1,369.454	74.26	74.35	742589	743556
wire	non noble metal	aluminium	7429-90-5	4.172	0.23	0.23	2262	2262
encapsulation	organic material	carbon black	1333-86-4	2.241	0.12		1215	
	plastics	epoxy resin	-	89.634	4.86		48604	
	inorganic material	silicondioxide	60676-86-0	356.294	19.32	24.30	193201	243020
leadfinish	non noble metal	tin	7440-31-5	8.222	0.45	0.45	4458	4458
solder	non noble metal	tin	7440-31-5	0.102	0.01		55	
	noble metal	silver	7440-22-4	0.128	0.01		69	
	non noble metal	lead	7439-92-1	4.873	0.26	0.28	2642	2766
*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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