

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IRFB4019PBF	**Issued**	27. April 2022
MA#	MA005736147		
Package	PG-TO220-3-62	**Weight***	1840.19 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	2.403	0.13	0.13	1306	1306
leadframe	inorganic material	phosphorus	7723-14-0	0.411	0.02		224	
	non noble metal	iron	7439-89-6	1.371	0.07		745	
	non noble metal	copper	7440-50-8	1,369.454	74.43	74.52	744194	745163
wire	non noble metal	aluminium	7429-90-5	2.204	0.12	0.12	1197	1197
encapsulation	organic material	carbon black	1333-86-4	2.269	0.12		1233	
	plastics	epoxy resin	-	90.761	4.93		49322	
	inorganic material	silicondioxide	60676-86-0	360.777	19.61	24.66	196054	246609
leadfinish	non noble metal	tin	7440-31-5	8.222	0.45	0.45	4468	4468
solder	non noble metal	tin	7440-31-5	0.046			25	
	noble metal	silver	7440-22-4	0.058			31	
	non noble metal	lead	7439-92-1	2.209	0.12	0.12	1201	1257
*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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