

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IRFB3004PBF	**Issued**	27. April 2022
MA#	MA005730994		
Package	PG-TO220-3-62	**Weight***	1850.51 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	13.655	0.74	0.74	7379	7379
leadframe	inorganic material	phosphorus	7723-14-0	0.411	0.02		222	
	non noble metal	iron	7439-89-6	1.371	0.07		741	
	non noble metal	copper	7440-50-8	1,369.454	74.01	74.10	740044	741007
wire	non noble metal	aluminium	7429-90-5	11.291	0.61	0.61	6101	6101
encapsulation	organic material	carbon black	1333-86-4	2.189	0.12		1183	
	plastics	epoxy resin	-	87.546	4.73		47309	
	inorganic material	silicondioxide	60676-86-0	347.996	18.81	23.66	188055	236547
leadfinish	non noble metal	tin	7440-31-5	8.222	0.44	0.44	4443	4443
solder	non noble metal	tin	7440-31-5	0.167	0.01		90	
	noble metal	silver	7440-22-4	0.209	0.01		113	
	non noble metal	lead	7439-92-1	7.995	0.43	0.45	4320	4523
*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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