



Material Content Data Sheet



Halogen-Free

Sales Product Name	IRF5305PBF	Issued	27. April 2022
MA#	MA005727045		
Package	PG-TO220-3-904	Weight*	2361.18 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	7.579	0.32	0.32	3210	3210
leadframe	inorganic material	phosphorus	7723-14-0	0.499	0.02		211	
	non noble metal	iron	7439-89-6	1.664	0.07		705	
	non noble metal	copper	7440-50-8	1,661.709	70.37	70.46	703762	704678
wire	non noble metal	aluminium	7429-90-5	1.863	0.08	0.08	789	789
encapsulation	organic material	carbon black	1333-86-4	3.277	0.14		1388	
	plastics	epoxy resin	-	131.079	5.55		55514	
	inorganic material	silicondioxide	60676-86-0	521.038	22.07	27.76	220669	277571
leadfinish	non noble metal	tin	7440-31-5	25.685	1.09	1.09	10878	10878
solder	non noble metal	tin	7440-31-5	0.136	0.01		57	
	noble metal	silver	7440-22-4	0.170	0.01		72	
	non noble metal	lead	7439-92-1	6.481	0.27	0.29	2745	2874
*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.

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