

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IRFI4110GPBF	**Issued**	27. April 2022
MA#	MA005733686		
Package	PG-TO220-3-901	**Weight***	2168.33 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	14.005	0.65	0.65	6459	6459
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	52.40	52.47	524056	524738
wire	non noble metal	aluminium	7429-90-5	8.922	0.41	0.41	4114	4114
encapsulation	organic material	carbon black	1333-86-4	2.961	0.14		1366	
	inorganic material	zink oxide	1314-13-2	9.870	0.46		4552	
	organic material	phenol formaldehyde resin	9003-35-4	98.696	4.55		45517	
	inorganic material	silicondioxide	14808-60-7	875.438	40.37	45.52	403737	455172
leadfinish	non noble metal	tin	7440-31-5	7.883	0.36	0.36	3636	3636
plating	non noble metal	nickel	7440-02-0	6.793	0.31	0.31	3133	3133
solder	non noble metal	antimony	7440-36-0	0.596	0.03		275	
	noble metal	silver	7440-22-4	1.489	0.07		687	
	non noble metal	tin	7440-31-5	3.872	0.18	0.28	1786	2748
*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.
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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.

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