



Material Content Data Sheet



Halogen-Free

Sales Product Name	IRL2505PBF	Issued	27. April 2022
MA#	MA005732171		
Package	PG-TO220-3-62	Weight*	1853.25 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	19.396	1.05	1.05	10466	10466
leadframe	inorganic material	phosphorus	7723-14-0	0.411	0.02		222	
	non noble metal	iron	7439-89-6	1.371	0.07		740	
	non noble metal	copper	7440-50-8	1,369.454	73.90	73.99	738948	739910
wire	non noble metal	aluminium	7429-90-5	5.773	0.31	0.31	3115	3115
encapsulation	organic material	carbon black	1333-86-4	2.182	0.12		1177	
	plastics	epoxy resin	-	87.262	4.71		47086	
	inorganic material	silicondioxide	60676-86-0	346.865	18.72	23.55	187166	235429
leadfinish	non noble metal	tin	7440-31-5	8.222	0.44	0.44	4436	4436
solder	non noble metal	tin	7440-31-5	0.246	0.01		133	
	noble metal	silver	7440-22-4	0.308	0.02		166	
	non noble metal	lead	7439-92-1	11.759	0.63	0.66	6345	6644
*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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