



Material Content Data Sheet



Halogen-Free

Sales Product Name	IRL3705NPBF	Issued	27. April 2022
MA#	MA005723521		
Package	PG-TO220-3-62	Weight*	1850.44 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	15.601	0.84	0.84	8431	8431
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	74.03	74.12	740069	741032
wire	non noble metal	aluminium	7429-90-5	3.935	0.21	0.21	2127	2127
encapsulation	organic material	carbon black	1333-86-4	2.204	0.12		1191	
	plastics	epoxy resin	-	88.168	4.76		47647	
	inorganic material	silicondioxide	60676-86-0	350.466	18.94	23.82	189396	238234
leadfinish	non noble metal	tin	7440-31-5	8.222	0.44	0.44	4443	4443
solder	non noble metal	tin	7440-31-5	0.212	0.01		115	
	noble metal	silver	7440-22-4	0.265	0.01		143	
	non noble metal	lead	7439-92-1	10.132	0.55	0.57	5475	5733
*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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