

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IRL530NPBF	**Issued**	27. April 2022
MA#	MA005730084		
Package	PG-TO220-3-62	**Weight***	1843.37 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	5.222	0.28	0.28	2833	2833
leadframe	inorganic material	phosphorus	7723-14-0	0.411	0.02		223	
	non noble metal	iron	7439-89-6	1.371	0.07		744	
	non noble metal	copper	7440-50-8	1,369.454	74.30	74.39	742910	743877
wire	non noble metal	aluminium	7429-90-5	2.049	0.11	0.11	1111	1111
encapsulation	organic material	carbon black	1333-86-4	2.256	0.12		1224	
	plastics	epoxy resin	-	90.233	4.89		48950	
	inorganic material	silicondioxide	60676-86-0	358.677	19.46	24.47	194578	244752
leadfinish	non noble metal	tin	7440-31-5	8.222	0.45	0.45	4460	4460
solder	non noble metal	tin	7440-31-5	0.109	0.01		59	
	noble metal	silver	7440-22-4	0.137	0.01		74	
	non noble metal	lead	7439-92-1	5.224	0.28	0.30	2834	2967
*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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