

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA65R190C7	**Issued**	09. February 2022
MA#	MA005618229		
Package	PG-TO220-3-253	**Weight***	2134.79 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	4.186	0.20	0.20	1961	1961
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		670	
	non noble metal	copper	7440-50-8	1,428.770	66.91	67.00	669278	670149
wire	non noble metal	aluminium	7429-90-5	3.738	0.18	0.18	1751	1751
encapsulation	organic material	carbon black	1333-86-4	3.353	0.16		1570	
	plastics	epoxy resin	-	130.753	6.12		61249	
	inorganic material	silicondioxide	60676-86-0	536.423	25.13	31.41	251276	314095
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10054	10054
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.249	0.01		116	
	noble metal	silver	7440-22-4	0.621	0.03		291	
	non noble metal	tin	7440-31-5	1.616	0.08	0.12	757	1164
*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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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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