

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA65R190C7	**Issued**	14. February 2022
MA#	MA005621343		
Package	PG-TO220-3-313	**Weight***	2207.80 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	0.19	0.19	1896	1896
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.86	40.91	408618	409150
wire	non noble metal	aluminium	7429-90-5	3.601	0.16	0.16	1631	1631
encapsulation	organic material	carbon black	1333-86-4	2.308	0.10		1045	
	plastics	epoxy resin	-	214.549	9.72		97177	
	inorganic material	silicondioxide	60676-86-0	922.754	41.80	51.62	417952	516174
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3568	3568
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.249	0.01		113	
	noble metal	silver	7440-22-4	0.621	0.03		281	
	non noble metal	tin	7440-31-5	1.616	0.07	0.11	732	1126
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65619	65705
*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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