

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA65R045C7	**Issued**	14. February 2022
MA#	MA005621401		
Package	PG-TO220-3-313	**Weight***	2201.54 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	15.501	0.70	0.70	7041	7041
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
	non noble metal	copper	7440-50-8	902.149	40.98	41.03	409781	410314
wire	non noble metal	aluminium	7429-90-5	10.874	0.49	0.49	4939	4939
encapsulation	organic material	carbon black	1333-86-4	2.353	0.11		1069	
	plastics	epoxy resin	-	210.227	9.55		95491	
	inorganic material	silicondioxide	60676-86-0	898.188	40.80	50.46	407981	504541
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3578	3578
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	752	752
solder	non noble metal	antimony	7440-36-0	0.648	0.03		294	
	noble metal	silver	7440-22-4	1.619	0.07		736	
	non noble metal	tin	7440-31-5	4.210	0.19	0.29	1913	2943
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	6.58	6.59	65806	65892
*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 does not use any exemption.

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