

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA90R340C3	**Issued**	31. March 2021
MA#	MA001371294		
Package	PG-TO220-3-313	**Weight***	2205.59 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	13.276	0.60	0.60	6019	6019
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	40.90	40.95	409028	409561
wire	non noble metal	aluminium	7429-90-5	3.676	0.17	0.17	1667	1667
encapsulation	organic material	carbon black	1333-86-4	2.324	0.11		1054	
	plastics	epoxy resin	-	212.300	9.63		96255	
	inorganic material	silicondioxide	60676-86-0	910.413	41.26	51.00	412775	510084
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3571	3571
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.568	0.03		258	
	noble metal	silver	7440-22-4	1.420	0.06		644	
	non noble metal	tin	7440-31-5	3.693	0.17	0.26	1674	2576
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	6.57	6.58	65685	65771
*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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