

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA60R199CP	**Issued**	06. April 2021
MA#	MA001674944		
Package	PG-TO220-3-313	**Weight***	2206.26 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	8.809	0.40	0.40	3993	3993
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	40.89	40.94	408906	409438
wire	non noble metal	aluminium	7429-90-5	3.747	0.17	0.17	1698	1698
encapsulation	organic material	carbon black	1333-86-4	2.320	0.11		1051	
	plastics	epoxy resin	-	213.343	9.67		96699	
	inorganic material	silicondioxide	60676-86-0	915.922	41.50	51.28	415148	512898
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3570	3570
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.420	0.02		190	
	noble metal	silver	7440-22-4	1.049	0.05		475	
	non noble metal	tin	7440-31-5	2.727	0.12	0.19	1236	1901
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	65665	65751
*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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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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