

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA50R199CP	**Issued**	04. April 2021
MA#	MA001509878		
Package	PG-TO220-3-317	**Weight***	2104.49 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	0.42	0.42	4186	4186
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		571	
	non noble metal	copper	7440-50-8	1,200.685	57.05	57.13	570535	571277
wire	non noble metal	aluminium	7429-90-5	3.807	0.18	0.18	1809	1809
encapsulation	organic material	carbon black	1333-86-4	8.681	0.41		4125	
	plastics	epoxy resin	-	141.541	6.73		67257	
	inorganic material	silicondioxide	60676-86-0	727.320	34.56	41.70	345604	416986
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3749	3749
solder	non noble metal	antimony	7440-36-0	0.420	0.02		199	
	noble metal	silver	7440-22-4	1.049	0.05		498	
	non noble metal	tin	7440-31-5	2.727	0.13	0.20	1296	1993
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com