

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA50R250CP	**Issued**	24. June 2021
MA#	MA005551968		
Package	PG-TO220-3-317	**Weight***	2104.61 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	7.183	0.34	0.34	3413	3413
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	570504	571246
wire	non noble metal	aluminium	7429-90-5	3.741	0.18	0.18	1777	1777
encapsulation	organic material	carbon black	1333-86-4	8.718	0.41		4142	
	plastics	epoxy resin	-	141.760	6.74		67357	
	inorganic material	silicondioxide	60676-86-0	729.443	34.66	41.81	346594	418093
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3748	3748
solder	non noble metal	antimony	7440-36-0	0.362	0.02		172	
	noble metal	silver	7440-22-4	0.906	0.04		431	
	non noble metal	tin	7440-31-5	2.356	0.11	0.17	1120	1723
*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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