

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA60R165CP	**Issued**	02. June 2021
MA#	MA001789504		
Package	PG-TO220-3-253	**Weight***	2136.81 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	10.313	0.48	0.48	4827	4827
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		670	
	non noble metal	copper	7440-50-8	1,428.770	66.87	66.96	668646	669517
wire	non noble metal	aluminium	7429-90-5	3.874	0.18	0.18	1813	1813
encapsulation	organic material	carbon black	1333-86-4	3.320	0.16		1554	
	plastics	epoxy resin	-	129.485	6.06		60598	
	inorganic material	silicondioxide	60676-86-0	531.221	24.86	31.08	248605	310757
leadfinish	non noble metal	tin	7440-31-5	21.462	1.00	1.00	10044	10044
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	825	825
solder	non noble metal	antimony	7440-36-0	0.474	0.02		222	
	noble metal	silver	7440-22-4	1.185	0.06		554	
	non noble metal	tin	7440-31-5	3.080	0.14	0.22	1441	2217
*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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