



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA60R165CP	Issued	02. June 2021
MA#	MA001787486		
Package	PG-TO220-3-313	Weight*	2204.57 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	0.47	0.47	4678	4678
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	40.92	40.97	409218	409751
wire	non noble metal	aluminium	7429-90-5	3.735	0.17	0.17	1694	1694
encapsulation	organic material	carbon black	1333-86-4	2.333	0.11		1058	
	plastics	epoxy resin	-	212.866	9.66		96557	
	inorganic material	silicondioxide	60676-86-0	912.664	41.39	51.16	413988	511603
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3573	3573
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.474	0.02		215	
	noble metal	silver	7440-22-4	1.185	0.05		537	
	non noble metal	tin	7440-31-5	3.080	0.14	0.21	1397	2149
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	65715	65801
*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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