



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA60R400CE	Issued	23. June 2021
MA#	MA005546659		
Package	PG-TO220-3-312	Weight*	2055.18 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	4.522	0.22	0.22	2200	2200
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		138	
	non noble metal	iron	7439-89-6	0.949	0.05		462	
	non noble metal	copper	7440-50-8	947.445	46.10	46.16	461003	461603
wire	non noble metal	aluminium	7429-90-5	1.062	0.05	0.05	517	517
encapsulation	organic material	carbon black	1333-86-4	10.829	0.53		5269	
	plastics	epoxy resin	-	174.468	8.49		84892	
	inorganic material	silicondioxide	60676-86-0	901.921	43.89	52.91	438852	529013
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5399	5399
solder	non noble metal	antimony	7440-36-0	0.261	0.01		127	
	noble metal	silver	7440-22-4	0.652	0.03		317	
	non noble metal	tin	7440-31-5	1.694	0.08	0.12	824	1268
*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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