



## Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA60R460CE	Issued	24. June 2021
MA#	MA005552155		
Package	PG-TO220-3-312	Weight*	2055.25 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	4.072	0.20	0.20	1981	1981
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	46.09	46.15	460987	461587
wire	non noble metal	aluminium	7429-90-5	1.031	0.05	0.05	502	502
encapsulation	organic material	carbon black	1333-86-4	10.842	0.53		5275	
	plastics	epoxy resin	-	174.526	8.49		84917	
	inorganic material	silicondioxide	60676-86-0	902.585	43.92	52.94	439160	529352
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5398	5398
solder	non noble metal	antimony	7440-36-0	0.243	0.01		118	
	noble metal	silver	7440-22-4	0.606	0.03		295	
	non noble metal	tin	7440-31-5	1.576	0.08	0.12	767	1180
*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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