



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA80R1K4CE	Issued	25. June 2021
MA#	MA005556854		
Package	PG-TO220-3-312	Weight*	2055.05 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	3.894	0.19	0.19	1895	1895
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	46.11	46.17	461033	461633
wire	non noble metal	aluminium	7429-90-5	1.048	0.05	0.05	510	510
encapsulation	organic material	carbon black	1333-86-4	10.839	0.53		5274	
	plastics	epoxy resin	-	174.568	8.49		84946	
	inorganic material	silicondioxide	60676-86-0	902.564	43.92	52.94	439194	529414
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5399	5399
solder	non noble metal	antimony	7440-36-0	0.236	0.01		115	
	noble metal	silver	7440-22-4	0.590	0.03		287	
	non noble metal	tin	7440-31-5	1.535	0.07	0.11	747	1149
*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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