

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA80R1K4P7	**Issued**	06. April 2021
MA#	MA002116528		
Package	PG-TO220-3-253	**Weight***	2133.07 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	1.500	0.07	0.07	703	703
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		671	
	non noble metal	copper	7440-50-8	1,428.770	66.96	67.05	669819	670691
wire	non noble metal	aluminium	7429-90-5	0.817	0.04	0.04	383	383
encapsulation	organic material	carbon black	1333-86-4	3.378	0.16		1584	
	plastics	epoxy resin	-	131.745	6.18		61763	
	inorganic material	silicondioxide	60676-86-0	540.494	25.34	31.68	253388	316735
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10062	10062
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	827	827
solder	non noble metal	antimony	7440-36-0	0.128	0.01		60	
	noble metal	silver	7440-22-4	0.319	0.02		150	
	non noble metal	tin	7440-31-5	0.830	0.04	0.07	389	599
*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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