

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA80R1K2P7	**Issued**	03. April 2021
MA#	MA001651792		
Package	PG-TO220-3-313	**Weight***	2208.26 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	1.666	0.08	0.08	754	754
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.85	40.90	408533	409065
wire	non noble metal	aluminium	7429-90-5	0.792	0.04	0.04	359	359
encapsulation	organic material	carbon black	1333-86-4	2.303	0.10		1043	
	plastics	epoxy resin	-	215.651	9.77		97656	
	inorganic material	silicondioxide	60676-86-0	928.571	42.03	51.90	420498	519197
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3567	3567
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.136	0.01		62	
	noble metal	silver	7440-22-4	0.340	0.02		154	
	non noble metal	tin	7440-31-5	0.885	0.04	0.07	401	617
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	6.56	6.57	65605	65691
*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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