



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA80R1K4P7	Issued	11. April 2021
MA#	MA001790386		
Package	PG-TO220-3-317	Weight*	2105.03 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	712	712
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		571	
	non noble metal	copper	7440-50-8	1,200.685	57.03	57.11	570388	571130
wire	non noble metal	aluminium	7429-90-5	0.783	0.04	0.04	372	372
encapsulation	organic material	carbon black	1333-86-4	8.899	0.42		4227	
	plastics	epoxy resin	-	142.789	6.78		67832	
	inorganic material	silicondioxide	60676-86-0	739.647	35.14	42.34	351371	423430
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3748	3748
solder	non noble metal	antimony	7440-36-0	0.128	0.01		61	
	noble metal	silver	7440-22-4	0.320	0.02		152	
	non noble metal	tin	7440-31-5	0.831	0.04	0.07	395	608
*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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