



Material Content Data Sheet



Sales Product Name		IPA80R1K2P7		Issued		20. July 2018		
MA#		MA001651792						
Package		PG-TO220-3-313		Weight*		2214.89 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	1.552	0.07	0.07	701	701
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		408	
	non noble metal	copper	7440-50-8	902.149	40.73	40.78	407310	407840
	non noble metal	aluminium	7429-90-5	0.777	0.04	0.04	351	351
wire	non noble metal	aluminium	7429-90-5	0.777	0.04	0.04	351	351
encapsulation	organic material	carbon black	1333-86-4	2.316	0.10		1046	
	plastics	epoxy resin	-	216.938	9.79		97945	
	inorganic material	silicondioxide	60676-86-0	934.152	42.18	52.07	421759	520750
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3556	3556
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	748	748
solder	non noble metal	antimony	7440-36-0	0.124	0.01		56	
	noble metal	silver	7440-22-4	0.310	0.01		140	
	non noble metal	tin	7440-31-5	0.806	0.04	0.06	364	560
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.54	6.55	65409	65494
*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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