



Material Content Data Sheet



Sales Product Name				IPA60R280P7S E8228		Issued		4. July 2019	
MA#				MA002478866					
Package				PG-TO220-3-312		Weight*		2055.03 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	3.030	0.15	0.15	1474	1474	
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	461038	461638	
	non noble metal	aluminium	7429-90-5	3.024	0.15	0.15	1471	1471	
wire	non noble metal	aluminium	7429-90-5	3.024	0.15	0.15	1471	1471	
encapsulation	organic material	carbon black	1333-86-4	10.842	0.53		5276		
	plastics	epoxy resin	-	174.313	8.48		84823		
	inorganic material	silicondioxide	60676-86-0	902.052	43.89	52.90	438948	529047	
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5399	5399	
solder	non noble metal	antimony	7440-36-0	0.200	0.01		97		
	noble metal	silver	7440-22-4	0.499	0.02		243		
	non noble metal	tin	7440-31-5	1.298	0.06	0.09	631	971	
*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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