



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA60R280P7S		<b>Issued</b>		4. July 2019			
<b>MA#</b>		MA001671548							
<b>Package</b>		PG-TO220-3-312		<b>Weight*</b>		2055.05 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	461033	461633	
	non noble metal	aluminium	7429-90-5	0.836	0.04	0.04	407	407	
wire	non noble metal	aluminium	7429-90-5	0.836	0.04	0.04	407	407	
encapsulation	organic material	carbon black	1333-86-4	10.864	0.53		5287		
	plastics	epoxy resin	-	174.667	8.50		84994		
	inorganic material	silicondioxide	60676-86-0	903.885	43.98	53.01	439835	530116	
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.
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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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