



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA70R450P7S		<b>Issued</b>		4. July 2019			
<b>MA#</b>		MA001666546							
<b>Package</b>		PG-TO220-3-312		<b>Weight*</b>		2055.27 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	2.030	0.10	0.10	988	988	
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	46.10	46.16	460984	461584	
	non noble metal	aluminium	7429-90-5	0.845	0.04	0.04	411	411	
wire	non noble metal	aluminium	7429-90-5	0.845	0.04	0.04	411	411	
encapsulation	organic material	carbon black	1333-86-4	10.894	0.53		5300		
	plastics	epoxy resin	-	174.780	8.50		85040		
	inorganic material	silicondioxide	60676-86-0	905.410	44.05	53.08	440531	530871	
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5398	5398	
solder	non noble metal	antimony	7440-36-0	0.154	0.01		75		
	noble metal	silver	7440-22-4	0.384	0.02		187		
	non noble metal	tin	7440-31-5	0.999	0.05	0.08	486	748	
*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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