



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA50R500CE		<b>Issued</b>		1. August 2018			
<b>MA#</b>		MA001797258							
<b>Package</b>		PG-TO220-3-312		<b>Weight*</b>		2054.61 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	2.939	0.14	0.14	1430	1430	
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		139		
	non noble metal	iron	7439-89-6	0.949	0.05		462		
	non noble metal	copper	7440-50-8	947.445	46.12	46.18	461131	461732	
	non noble metal	aluminium	7429-90-5	0.822	0.04	0.04	400	400	
wire	non noble metal	aluminium	7429-90-5	0.822	0.04	0.04	400	400	
encapsulation	organic material	carbon black	1333-86-4	11.755	0.57		5721		
	plastics	epoxy resin	-	175.234	8.53		85289		
	inorganic material	silicondioxide	60676-86-0	902.139	43.91	53.01	439081	530091	
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5400	5400	
solder	non noble metal	antimony	7440-36-0	0.194	0.01		95		
	noble metal	silver	7440-22-4	0.486	0.02		237		
	non noble metal	tin	7440-31-5	1.264	0.06	0.09	615	947	
*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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