



## Material Content Data Sheet



<b>Sales Product Name</b>				IPA60R385CP		<b>Issued</b>		27. September 2017	
<b>MA#</b>				MA000375072					
<b>Package</b>				PG-TO220-3-111		<b>Weight*</b>		2245.37 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	5.064	0.23	0.23	2256	2256	
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		306		
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92		
	non noble metal	copper	7440-50-8	686.221	30.56	30.60	305615	306013	
wire	non noble metal	aluminium	7429-90-5	7.354	0.33	0.33	3275	3275	
encapsulation	organic material	carbon black	1333-86-4	2.240	0.10		998		
	plastics	epoxy resin	-	207.578	9.24		92447		
	inorganic material	silicondioxide	60676-86-0	892.269	39.75	49.09	397381	490827	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3537	3537	
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	136	
solder	non noble metal	antimony	7440-36-0	0.283	0.01		126		
	noble metal	silver	7440-22-4	0.708	0.03		315		
	non noble metal	tin	7440-31-5	1.841	0.08	0.12	820	1261	
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193		
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58		
	non noble metal	copper	7440-50-8	432.110	19.24	19.27	192444	192695	
*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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