



## Material Content Data Sheet



<b>Sales Product Name</b>				IPA60R165CP		<b>Issued</b>		25. September 2017	
<b>MA#</b>				MA000375023					
<b>Package</b>				PG-TO220-3-111		<b>Weight*</b>		2263.51 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	10.313	0.46	0.46	4556	4556	
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		304		
	inorganic material	phosphorus	7723-14-0	0.206	0.01		91		
	non noble metal	copper	7440-50-8	686.221	30.32	30.36	303167	303562	
wire	non noble metal	aluminium	7429-90-5	27.975	1.24	1.24	12359	12359	
encapsulation	organic material	carbon black	1333-86-4	2.266	0.10		1001		
	plastics	epoxy resin	-	206.242	9.11		91116		
	inorganic material	silicondioxide	60676-86-0	883.940	39.04	48.25	390517	482635	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3509	3509	
plating	non noble metal	nickel	7440-02-0	0.305	0.01		135		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	135	
solder	non noble metal	antimony	7440-36-0	0.474	0.02		209		
	noble metal	silver	7440-22-4	1.185	0.05		523		
	non noble metal	tin	7440-31-5	3.080	0.14	0.21	1361	2093	
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		191		
	inorganic material	phosphorus	7723-14-0	0.130	0.01		57		
	non noble metal	copper	7440-50-8	432.110	19.09	19.12	190903	191151	
*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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