



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP60R299CP		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA000846648					
<b>Package</b>				PG-TO220-3-123		<b>Weight*</b>		2028.93 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	6.215	0.31	0.31	3063	3063	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	copper	7440-50-8	815.335	40.18	40.23	401854	402377	
wire	non noble metal	aluminium	7429-90-5	13.216	0.65	0.65	6514	6514	
encapsulation	organic material	carbon black	1333-86-4	2.304	0.11		1136		
	plastics	epoxy resin	-	66.825	3.29		32936		
	inorganic material	silicondioxide	60676-86-0	506.948	24.99	28.39	249859	283931	
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10710	10710	
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	880	880	
solder	non noble metal	antimony	7440-36-0	0.328	0.02		162		
	noble metal	silver	7440-22-4	0.820	0.04		404		
	non noble metal	tin	7440-31-5	2.132	0.11	0.17	1051	1617	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	29.05	29.09	290530	290908	
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com