



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP65R310CFD		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA001701950						
<b>Package</b>		PG-TO220-3-123		<b>Weight*</b>		2027.24 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	6.035	0.30	0.30	2977	2977
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
wire	non noble metal	copper	7440-50-8	815.335	40.20	40.25	402190	402714
	non noble metal	aluminium	7429-90-5	2.611	0.13	0.13	1288	1288
encapsulation	organic material	carbon black	1333-86-4	2.342	0.12		1155	
	plastics	epoxy resin	-	67.921	3.35		33504	
leadfinish	inorganic material	silicondioxide	60676-86-0	515.263	25.42	28.89	254170	288829
	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10587	10587
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.321	0.02		158	
	noble metal	silver	7440-22-4	0.803	0.04		396	
heatspreader	non noble metal	tin	7440-31-5	2.088	0.10	0.16	1030	1584
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
*deviation	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.08	29.12	290773	291151
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

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