



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP65R150CFD		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001038682						
<b>Package</b>		PG-TO220-3-1		<b>Weight*</b>		2034.67 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	11.566	0.57	0.57	5684	5684
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.07	40.12	400719	401240
	non noble metal	aluminium	7429-90-5	2.561	0.13	0.13	1259	1259
wire	non noble metal	aluminium	7429-90-5	2.561	0.13	0.13	1259	1259
encapsulation	organic material	carbon black	1333-86-4	5.870	0.29		2885	
	plastics	epoxy resin	-	111.534	5.48		54817	
	inorganic material	silicondioxide	60676-86-0	469.616	23.08	28.85	230807	288509
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10548	10548
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.519	0.03		255	
	noble metal	silver	7440-22-4	1.298	0.06		638	
	non noble metal	tin	7440-31-5	3.374	0.17	0.26	1658	2551
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.97	29.01	289711	290088
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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