



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP50R500CE		<b>Issued</b>		19. July 2018	
<b>MA#</b>				MA001054206					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2030.50 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	2.939	0.14	0.14	1447	1447	
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	40.17	40.22	401544	402067	
wire	non noble metal	aluminium	7429-90-5	0.740	0.04	0.04	365	365	
encapsulation	organic material	carbon black	1333-86-4	5.965	0.29		2938		
	plastics	epoxy resin	-	113.343	5.58		55820		
	inorganic material	silicondioxide	60676-86-0	477.232	23.50	29.37	235032	293790	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10570	10570	
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	401543	120	
solder	non noble metal	antimony	7440-36-0	0.194	0.01		96		
	noble metal	silver	7440-22-4	0.485	0.02		239		
	non noble metal	tin	7440-31-5	1.262	0.06	0.09	622	957	
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	29.03	29.07	290306	290684	
*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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