



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP90R500C3		<b>Issued</b>		25. September 2017	
<b>MA#</b>				MA000669546					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2033.97 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	9.945	0.49	0.49	4890	4890	
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	400857	401378	
	non noble metal	aluminium	7429-90-5	2.784	0.14	0.14	1369	1369	
wire	non noble metal	aluminium	7429-90-5	2.784	0.14	0.14	1369	1369	
encapsulation	organic material	carbon black	1333-86-4	5.883	0.29		2892		
	plastics	epoxy resin	-	111.777	5.50		54955		
	inorganic material	silicondioxide	60676-86-0	470.641	23.14	28.93	231391	289238	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10552	10552	
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	0.461	0.02		226		
	noble metal	silver	7440-22-4	1.152	0.06		566		
	non noble metal	tin	7440-31-5	2.994	0.15	0.23	1472	2264	
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	28.98	29.02	289811	290188	
*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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