



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP90R800C3		<b>Issued</b>		22. January 2018	
<b>MA#</b>				MA000669548					
<b>Package</b>				PG-TO220-3-1		<b>Weight*</b>		2032.34 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	6.653	0.33	0.33	3274	3274	
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	40.12	40.17	401180	401703	
wire	non noble metal	aluminium	7429-90-5	1.387	0.07	0.07	682	682	
encapsulation	organic material	carbon black	1333-86-4	5.925	0.29		2916		
	plastics	epoxy resin	-	112.583	5.54		55396		
	inorganic material	silicondioxide	60676-86-0	474.035	23.32	29.15	233246	291558	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10560	10560	
plating	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121	
	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
solder	non noble metal	antimony	7440-36-0	0.342	0.02		168		
	noble metal	silver	7440-22-4	0.855	0.04		421		
	non noble metal	tin	7440-31-5	2.222	0.11	0.17	1093	1682	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	29.00	29.04	290043	290420	
*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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