



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP50R380CE		<b>Issued</b>		22. January 2018	
<b>MA#</b>				MA001179686					
<b>Package</b>				PG-TO220-3-123		<b>Weight*</b>		2025.91 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	3.808	0.19	0.19	1880	1880	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		403		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	copper	7440-50-8	815.335	40.25	40.30	402453	402977	
wire	non noble metal	aluminium	7429-90-5	0.697	0.03	0.03	344	344	
encapsulation	organic material	carbon black	1333-86-4	2.357	0.12		1163		
	plastics	epoxy resin	-	68.351	3.37		33739		
	inorganic material	silicondioxide	60676-86-0	518.528	25.59	29.08	255948	290850	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10594	10594	
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	871	871	
solder	non noble metal	antimony	7440-36-0	0.231	0.01		114		
	noble metal	silver	7440-22-4	0.579	0.03		286		
	non noble metal	tin	7440-31-5	1.504	0.07	0.11	743	1143	
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	29.10	29.14	290963	291341	
*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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