



## Material Content Data Sheet



<b>Sales Product Name</b>				IPP50R399CP		<b>Issued</b>		26. September 2017	
<b>MA#</b>				MA001109752					
<b>Package</b>				PG-TO220-3-123		<b>Weight*</b>		2026.72 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	4.846	0.24	0.24	2391	2391	
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	40.24	40.29	402294	402818	
wire	non noble metal	aluminium	7429-90-5	0.706	0.03	0.03	348	348	
encapsulation	organic material	carbon black	1333-86-4	2.353	0.12		1161		
	plastics	epoxy resin	-	68.240	3.37		33670		
	inorganic material	silicondioxide	60676-86-0	517.684	25.54	29.03	255430	290261	
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10722	10722	
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	881	881	
solder	non noble metal	antimony	7440-36-0	0.274	0.01		135		
	noble metal	silver	7440-22-4	0.686	0.03		338		
	non noble metal	tin	7440-31-5	1.783	0.09	0.13	880	1353	
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	29.08	29.12	290848	291226	
*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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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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