



## Material Content Data Sheet



<b>Sales Product Name</b>		IPP50R520CP		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA000908622						
<b>Package</b>		PG-TO220-3-123		<b>Weight*</b>		2027.06 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	3.934	0.19	0.19	1941	1941
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	40.22	40.27	402224	402748
wire	non noble metal	aluminium	7429-90-5	7.032	0.35	0.35	3469	3469
encapsulation	organic material	carbon black	1333-86-4	2.334	0.12		1152	
	plastics	epoxy resin	-	67.694	3.34		33395	
	inorganic material	silicondioxide	60676-86-0	513.542	25.33	28.79	253344	287891
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10720	10720
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	881	881
solder	non noble metal	antimony	7440-36-0	0.238	0.01		117	
	noble metal	silver	7440-22-4	0.595	0.03		293	
	non noble metal	tin	7440-31-5	1.546	0.08	0.12	763	1173
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	290799	291177
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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