



Material Content Data Sheet



Sales Product Name				IPP50R520CP		Issued		27. September 2017	
MA#				MA000908622					
Package				PG-TO220-3-123		Weight*		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:

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.
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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com