



Material Content Data Sheet



Sales Product Name		IPA50R520CP		Issued		27. September 2017			
MA#		MA001510322							
Package		PG-TO220-3-317		Weight*		2113.26 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	1862	1862	
leadframe	non noble metal	iron	7439-89-6	1.202	0.06		569		
	inorganic material	phosphorus	7723-14-0	0.361	0.02		171		
	non noble metal	copper	7440-50-8	1200.685	56.82	56.90	568168	568908	
wire	non noble metal	aluminium	7429-90-5	8.030	0.38	0.38	3800	3800	
encapsulation	organic material	carbon black	1333-86-4	8.843	0.42		4185		
	plastics	epoxy resin	-	142.735	6.75		67543		
	inorganic material	silicondioxide	60676-86-0	737.194	34.88	42.05	348842	420570	
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3733	3733	
solder	non noble metal	antimony	7440-36-0	0.238	0.01		113		
	noble metal	silver	7440-22-4	0.595	0.03		282		
	non noble metal	tin	7440-31-5	1.548	0.07	0.11	732	1127	
*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