



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA50R350CP		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001014852						
<b>Package</b>		PG-TO220-3-253		<b>Weight*</b>		2134.79 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	5.444	0.26	0.26	2550	2550
leadframe	non noble metal	iron	7439-89-6	1.431	0.07		670	
	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	copper	7440-50-8	1428.770	66.93	67.02	669279	670150
wire	non noble metal	aluminium	7429-90-5	1.541	0.07	0.07	722	722
encapsulation	organic material	carbon black	1333-86-4	3.353	0.16		1571	
	plastics	epoxy resin	-	130.784	6.13		61263	
	inorganic material	silicondioxide	60676-86-0	536.548	25.13	31.42	251336	314170
leadfinish	non noble metal	tin	7440-31-5	21.731	1.02	1.02	10179	10179
plating	non noble metal	nickel	7440-02-0	1.786	0.08	0.08	836	836
solder	non noble metal	antimony	7440-36-0	0.298	0.01		139	
	noble metal	silver	7440-22-4	0.744	0.03		348	
	non noble metal	tin	7440-31-5	1.934	0.09	0.13	906	1393
*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