



Material Content Data Sheet



Sales Product Name		IPA60R165CP		Issued		31. July 2018		
MA#		MA002285136						
Package		PG-TO220-3-317		Weight*		2103.17 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	10.313	0.49	0.49	4904	4904
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		572	
	non noble metal	copper	7440-50-8	1200.685	57.08	57.16	570893	571636
	non noble metal	aluminium	7429-90-5	3.048	0.14	0.14	1449	1449
wire	non noble metal	aluminium	7429-90-5	3.048	0.14	0.14	1449	1449
encapsulation	organic material	carbon black	1333-86-4	8.632	0.41		4104	
	plastics	epoxy resin	-	141.391	6.72		67228	
	inorganic material	silicondioxide	60676-86-0	724.901	34.47	41.60	344672	416004
leadfinish	non noble metal	tin	7440-31-5	7.889	0.38	0.38	3751	3751
solder	non noble metal	antimony	7440-36-0	0.474	0.02		226	
	noble metal	silver	7440-22-4	1.186	0.06		564	
	non noble metal	tin	7440-31-5	3.084	0.15	0.23	1466	2256
*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