



Material Content Data Sheet



Sales Product Name		IPA60R099C7		Issued		19. July 2018		
MA#		MA001394034						
Package		PG-TO220-3-313		Weight*		2236.02 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	6.630	0.30	0.30	2965	2965
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		404	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		121	
	non noble metal	copper	7440-50-8	902.149	40.35	40.40	403463	403988
wire	non noble metal	aluminium	7429-90-5	29.141	1.30	1.30	13033	13033
encapsulation	organic material	carbon black	1333-86-4	2.328	0.10		1041	
	plastics	epoxy resin	-	214.629	9.60		95987	
	inorganic material	silicondioxide	60676-86-0	921.816	41.21	50.91	412258	509286
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3567	3567
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.343	0.02		154	
	noble metal	silver	7440-22-4	0.858	0.04		384	
	non noble metal	tin	7440-31-5	2.231	0.10	0.16	998	1536
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		65	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		19	
	non noble metal	copper	7440-50-8	144.874	6.48	6.49	64791	64875
*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