



Material Content Data Sheet



Sales Product Name		IPP90R1K0C3		Issued		22. January 2018		
MA#		MA000669538						
Package		PG-TO220-3-1		Weight*		2031.85 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	5.558	0.27	0.27	2735	2735
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.13	40.18	401277	401800
	non noble metal	aluminium	7429-90-5	1.430	0.07	0.07	704	704
wire	non noble metal	aluminium	7429-90-5	1.430	0.07	0.07	704	704
encapsulation	organic material	carbon black	1333-86-4	5.935	0.29		2921	
	plastics	epoxy resin	-	112.766	5.55		55499	
	inorganic material	silicondioxide	60676-86-0	474.805	23.37	29.21	233682	292102
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10563	10563
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.302	0.01		148	
	noble metal	silver	7440-22-4	0.754	0.04		371	
	non noble metal	tin	7440-31-5	1.961	0.10	0.15	965	1484
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	29.01	29.05	290114	290491
*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