



Material Content Data Sheet



Sales Product Name		IPP90R1K0C3		Issued		22. January 2018		
MA#		MA001709510						
Package		PG-TO220-3-123		Weight*		2026.87 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	2742	2742
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.22	40.27	402263	402787
	non noble metal	aluminium	7429-90-5	1.550	0.08	0.08	765	765
wire	non noble metal	aluminium	7429-90-5	1.550	0.08	0.08	765	765
encapsulation	organic material	carbon black	1333-86-4	2.348	0.12		1158	
	plastics	epoxy resin	-	68.079	3.36		33588	
	inorganic material	silicondioxide	60676-86-0	516.464	25.48	28.96	254809	289555
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10589	10589
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.302	0.01		149	
	noble metal	silver	7440-22-4	0.754	0.04		372	
	non noble metal	tin	7440-31-5	1.961	0.10	0.15	967	1488
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.08	29.12	290826	291204
*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