



Material Content Data Sheet



Sales Product Name				IPP60R040C7		Issued		9. January 2019	
MA#				MA004565640					
Package				PG-TO220-3-1		Weight*		2037.07 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	15.501	0.76	0.76	7609	7609	
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120		
	non noble metal	iron	7439-89-6	0.816	0.04		401		
	non noble metal	copper	7440-50-8	815.335	40.03	40.08	400247	400768	
	non noble metal	aluminium	7429-90-5	8.963	0.44	0.44	4400	4400	
wire	non noble metal	aluminium	7429-90-5	8.963	0.44	0.44	4400	4400	
encapsulation	organic material	carbon black	1333-86-4	5.778	0.28		2836		
	plastics	epoxy resin	-	109.781	5.39		53892		
	inorganic material	silicondioxide	60676-86-0	462.237	22.69	28.36	226912	283640	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10536	10536	
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	0.648	0.03		318		
	noble metal	silver	7440-22-4	1.619	0.08		795		
	non noble metal	tin	7440-31-5	4.210	0.21	0.32	2067	3180	
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	28.94	28.98	289369	289746	
*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