



Material Content Data Sheet



Sales Product Name		IPP60R190C6		Issued		20. July 2018		
MA#		MA000878686						
Package		PG-TO220-3-123		Weight*		2031.22 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	8.148	0.40	0.40	4011	4011
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402	
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	copper	7440-50-8	815.335	40.14	40.19	401402	401925
wire	non noble metal	aluminium	7429-90-5	24.609	1.21	1.21	12115	12115
encapsulation	organic material	carbon black	1333-86-4	2.257	0.11		1111	
	plastics	epoxy resin	-	65.466	3.22		32230	
	inorganic material	silicondioxide	60676-86-0	496.639	24.45	27.78	244503	277844
leadfinish	non noble metal	tin	7440-31-5	21.731	1.07	1.07	10698	10698
plating	non noble metal	nickel	7440-02-0	1.786	0.09	0.09	879	879
solder	non noble metal	antimony	7440-36-0	0.395	0.02		195	
	noble metal	silver	7440-22-4	0.989	0.05		487	
	non noble metal	tin	7440-31-5	2.570	0.13	0.20	1265	1947
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.02	29.06	290203	290581
*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