



Material Content Data Sheet



Sales Product Name		IPP60R105CFD7		Issued		2. August 2018		
MA#		MA001720704						
Package		PG-TO220-3-123		Weight*		2027.38 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	6.351	0.31	0.31	3133	3133
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	40.20	40.25	402163	402687
	non noble metal	aluminium	7429-90-5	2.567	0.13	0.13	1266	1266
wire	non noble metal	aluminium	7429-90-5	2.567	0.13	0.13	1266	1266
encapsulation	organic material	carbon black	1333-86-4	2.341	0.12		1155	
	plastics	epoxy resin	-	67.893	3.35		33488	
	inorganic material	silicondioxide	60676-86-0	515.047	25.40	28.87	254046	288689
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10586	10586
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.332	0.02		164	
	noble metal	silver	7440-22-4	0.830	0.04		409	
	non noble metal	tin	7440-31-5	2.158	0.11	0.17	1065	1638
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	290753	291131
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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