



Material Content Data Sheet



Sales Product Name				IPP60R520C6		Issued		27. September 2017	
MA#				MA001318924					
Package				PG-TO220-3-1		Weight*		2030.74 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	3.425	0.17	0.17	1687	1687	
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	401496	402019	
wire	non noble metal	aluminium	7429-90-5	0.780	0.04	0.04	384	384	
encapsulation	organic material	carbon black	1333-86-4	5.961	0.29		2935		
	plastics	epoxy resin	-	113.250	5.58		55768		
	inorganic material	silicondioxide	60676-86-0	476.842	23.48	29.35	234811	293514	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10569	10569	
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	401495	120	
solder	non noble metal	antimony	7440-36-0	0.215	0.01		106		
	noble metal	silver	7440-22-4	0.537	0.03		265		
	non noble metal	tin	7440-31-5	1.397	0.07	0.11	688	1059	
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	29.03	29.07	290270	290648	
*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

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