



Material Content Data Sheet



Sales Product Name				IPP60R1K4C6		Issued		20. July 2018	
MA#				MA001304350					
Package				PG-TO220-3-1		Weight*		2029.72 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	1.624	0.08	0.08	800	800	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
encapsulation	non noble metal	copper	7440-50-8	815.335	40.17	40.22	401698	402221	
	organic material	carbon black	1333-86-4	5.984	0.29		2948		
	plastics	epoxy resin	-	113.701	5.60		56018		
leadfinish	inorganic material	silicondioxide	60676-86-0	478.742	23.59	29.48	235867	294833	
	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10574	10574	
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	401697	120	
solder	non noble metal	antimony	7440-36-0	0.133	0.01		66		
	noble metal	silver	7440-22-4	0.333	0.02		164		
	non noble metal	tin	7440-31-5	0.865	0.04	0.07	426	656	
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	29.04	29.08	290418	290796	
*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.
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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

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