



Material Content Data Sheet



Sales Product Name		IPA60R180C7		Issued		15. February 2016			
MA#		MA001487756							
Package		PG-TO220-3-253		Weight*		2133.72 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	3.951	0.19	0.19	1852	1852	
leadframe	non noble metal	iron	7439-89-6	1.431	0.07		670		
	inorganic material	phosphorus	7723-14-0	0.429	0.02		201		
	non noble metal	copper	7440-50-8	1428.770	66.95	67.04	669613	670484	
wire	non noble metal	aluminium	7429-90-5	30.049	1.41	1.41	14083	14083	
encapsulation	organic material	carbon black	1333-86-4	3.217	0.15		1508		
	plastics	epoxy resin	-	125.479	5.88		58808		
	inorganic material	silicondioxide	60676-86-0	514.787	24.13	30.16	241262	301578	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10059	10059	
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	827	827	
solder	non noble metal	antimony	7440-36-0	0.238	0.01		112		
	noble metal	silver	7440-22-4	0.596	0.03		279		
	non noble metal	tin	7440-31-5	1.550	0.07	0.11	726	1117	
*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 2011/65/EU (RoHS) and does not use any exemption.

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