



Material Content Data Sheet



Sales Product Name		IPA60R190E6		Issued		23. May 2016			
MA#		MA001500090							
Package		PG-TO220-3-317		Weight*		2133.88 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	0.38	0.38	3818	3818	
leadframe	non noble metal	iron	7439-89-6	1.202	0.06		563		
	inorganic material	phosphorus	7723-14-0	0.361	0.02		169		
	non noble metal	copper	7440-50-8	1200.685	56.25	56.33	562678	563410	
wire	non noble metal	aluminium	7429-90-5	28.522	1.34	1.34	13366	13366	
encapsulation	organic material	carbon black	1333-86-4	8.751	0.41		4101		
	plastics	epoxy resin	-	142.259	6.67		66667		
	inorganic material	silicondioxide	60676-86-0	732.106	34.31	41.39	343088	413856	
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3697	3697	
solder	non noble metal	antimony	7440-36-0	0.395	0.02		185		
	noble metal	silver	7440-22-4	0.989	0.05		463		
	non noble metal	tin	7440-31-5	2.570	0.12	0.19	1205	1853	
*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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