



Material Content Data Sheet



Sales Product Name		IPA60R165CP		Issued		20. July 2018			
MA#		MA001393532							
Package		PG-TO220-3-253		Weight*		2135.79 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	10.313	0.48	0.48	4829	4829	
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	66.91	67.00	668966	669837	
wire	non noble metal	aluminium	7429-90-5	31.138	1.46	1.46	14579	14579	
encapsulation	organic material	carbon black	1333-86-4	3.179	0.15		1488		
	plastics	epoxy resin	-	123.970	5.80		58044		
	inorganic material	silicondioxide	60676-86-0	508.595	23.81	29.76	238129	297661	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.00	1.00	10049	10049	
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826	
solder	non noble metal	antimony	7440-36-0	0.474	0.02		222		
	noble metal	silver	7440-22-4	1.185	0.06		555		
	non noble metal	tin	7440-31-5	3.080	0.14	0.22	1442	2219	
*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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