



Material Content Data Sheet



Sales Product Name		IPA60R199CP		Issued		20. July 2018			
MA#		MA000798086							
Package		PG-TO220-3-253		Weight*		2135.60 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	8.809	0.41	0.41	4125	4125	
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	66.89	66.98	669028	669899	
wire	non noble metal	aluminium	7429-90-5	31.501	1.48	1.48	14750	14750	
encapsulation	organic material	carbon black	1333-86-4	3.185	0.15		1491		
	plastics	epoxy resin	-	124.204	5.82		58159		
	inorganic material	silicondioxide	60676-86-0	509.555	23.86	29.83	238601	298251	
leadfinish	non noble metal	tin	7440-31-5	21.731	1.02	1.02	10175	10175	
plating	non noble metal	nickel	7440-02-0	1.786	0.08	0.08	836	836	
solder	non noble metal	antimony	7440-36-0	0.420	0.02		196		
	noble metal	silver	7440-22-4	1.049	0.05		491		
	non noble metal	tin	7440-31-5	2.727	0.13	0.20	1277	1964	
*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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