



Material Content Data Sheet



Sales Product Name		IPA50R399CP		Issued		27. September 2017		
MA#		MA001510306						
Package		PG-TO220-3-317		Weight*		2113.21 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	4.846	0.23	0.23	2293	2293
leadframe	non noble metal	iron	7439-89-6	1.202	0.06		569	
	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	copper	7440-50-8	1200.685	56.82	56.90	568181	568921
wire	non noble metal	aluminium	7429-90-5	8.067	0.38	0.38	3818	3818
encapsulation	organic material	carbon black	1333-86-4	8.819	0.42		4173	
	plastics	epoxy resin	-	142.645	6.75		67502	
	inorganic material	silicondioxide	60676-86-0	735.946	34.83	42.00	348260	419935
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3733	3733
solder	non noble metal	antimony	7440-36-0	0.275	0.01		130	
	noble metal	silver	7440-22-4	0.687	0.03		325	
	non noble metal	tin	7440-31-5	1.785	0.08	0.12	845	1300
*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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