



Material Content Data Sheet



Sales Product Name		IPA50R299CP		Issued		26. August 2018		
MA#		MA001509836						
Package		PG-TO220-3-317		Weight*		2103.83 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	6.215	0.30	0.30	2954	2954
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		571	
	non noble metal	copper	7440-50-8	1200.685	57.05	57.13	570715	571457
	non noble metal	aluminium	7429-90-5	1.701	0.08	0.08	808	808
wire	non noble metal	aluminium	7429-90-5	1.701	0.08	0.08	808	808
encapsulation	organic material	carbon black	1333-86-4	8.749	0.42		4159	
	plastics	epoxy resin	-	142.109	6.75		67548	
	inorganic material	silicondioxide	60676-86-0	731.634	34.78	41.95	347763	419470
leadfinish	non noble metal	tin	7440-31-5	7.889	0.38	0.38	3750	3750
solder	non noble metal	antimony	7440-36-0	0.328	0.02		156	
	noble metal	silver	7440-22-4	0.821	0.04		390	
	non noble metal	tin	7440-31-5	2.135	0.10	0.16	1015	1561
*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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