



Material Content Data Sheet



Sales Product Name		IPA60R299CP		Issued		19. July 2018		
MA#		MA001334330						
Package		PG-TO220-3-313		Weight*		2208.69 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	0.28	0.28	2814	2814
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		409	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	copper	7440-50-8	902.149	40.85	40.90	408456	408988
wire	non noble metal	aluminium	7429-90-5	1.687	0.08	0.08	764	764
encapsulation	organic material	carbon black	1333-86-4	2.327	0.11		1053	
	plastics	epoxy resin	-	214.729	9.72		97220	
	inorganic material	silicondioxide	60676-86-0	922.410	41.75	51.58	417628	515901
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3611	3611
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	759	759
solder	non noble metal	antimony	7440-36-0	0.328	0.01		148	
	noble metal	silver	7440-22-4	0.820	0.04		371	
	non noble metal	tin	7440-31-5	2.132	0.10	0.15	965	1484
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		66	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65593	65679
*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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