



Material Content Data Sheet



Sales Product Name		IPA60R299CP		Issued		19. July 2018		
MA#		MA001108612						
Package		PG-TO220-3-253		Weight*		2135.06 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	0.29	0.29	2911	2911
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	669195	670066
wire	non noble metal	aluminium	7429-90-5	1.505	0.07	0.07	705	705
encapsulation	organic material	carbon black	1333-86-4	3.350	0.16		1569	
	plastics	epoxy resin	-	130.633	6.12		61185	
	inorganic material	silicondioxide	60676-86-0	535.929	25.10	31.38	251014	313768
leadfinish	non noble metal	tin	7440-31-5	21.731	1.02	1.02	10178	10178
plating	non noble metal	nickel	7440-02-0	1.786	0.08	0.08	836	836
solder	non noble metal	antimony	7440-36-0	0.328	0.02		154	
	noble metal	silver	7440-22-4	0.820	0.04		384	
	non noble metal	tin	7440-31-5	2.132	0.10	0.16	998	1536
*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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