



Material Content Data Sheet



Sales Product Name		IPA60R299CP		Issued		15. February 2016			
MA#		MA000374506							
Package		PG-TO220-3-31		Weight*		2257.97 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	2752	2752	
leadframe	non noble metal	zinc	7440-66-6	0.925	0.04		410		
	non noble metal	copper	7440-50-8	615.788	27.27	27.31	272718	273128	
wire	non noble metal	aluminium	7429-90-5	18.951	0.84	0.84	8393	8393	
encapsulation	organic material	carbon black	1333-86-4	2.218	0.10		982		
	plastics	epoxy resin	-	208.455	9.23		92320		
	inorganic material	silicondioxide	60676-86-0	898.129	39.78	49.11	397759	491061	
leadfinish	non noble metal	tin	7440-31-5	6.250	0.28	0.28	2768	2768	
plating	non noble metal	nickel	7440-02-0	0.679	0.03	0.03	301	301	
solder	non noble metal	antimony	7440-36-0	0.328	0.01		145		
	noble metal	silver	7440-22-4	0.820	0.04		363		
	non noble metal	tin	7440-31-5	2.132	0.09	0.14	944	1452	
heatspreader	non noble metal	zinc	7440-66-6	0.746	0.03		330		
	non noble metal	copper	7440-50-8	496.335	21.98	22.01	219815	220145	
*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 2011/65/EU (RoHS) and does not use any exemption.

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