



Material Content Data Sheet



Sales Product Name		IPA60R165CP		Issued		19. July 2018			
MA#		MA000375025							
Package		PG-TO220-3-31		Weight*		2259.88 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	10.313	0.46	0.46	4564	4564	
leadframe	non noble metal	zinc	7440-66-6	0.925	0.04		409		
	non noble metal	copper	7440-50-8	615.788	27.25	27.29	272486	272895	
wire	non noble metal	aluminium	7429-90-5	3.625	0.16	0.16	1604	1604	
encapsulation	organic material	carbon black	1333-86-4	2.241	0.10		992		
	plastics	epoxy resin	-	210.667	9.32		93220		
	inorganic material	silicondioxide	60676-86-0	907.662	40.17	49.59	401641	495853	
leadfinish	non noble metal	tin	7440-31-5	6.173	0.27	0.27	2732	2732	
plating	non noble metal	nickel	7440-02-0	0.671	0.03	0.03	297	297	
solder	non noble metal	antimony	7440-36-0	0.474	0.02		210		
	noble metal	silver	7440-22-4	1.185	0.05		524		
	non noble metal	tin	7440-31-5	3.080	0.14	0.21	1363	2097	
heatspreader	non noble metal	zinc	7440-66-6	0.746	0.03		330		
	non noble metal	copper	7440-50-8	496.335	21.96	21.99	219628	219958	
*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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