



Material Content Data Sheet



Sales Product Name		IPA60R165CP		Issued		27. September 2017		
MA#		MA001334342						
Package		PG-TO220-3-313		Weight*		2208.13 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	0.47	0.47	4671	4671
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	40.86	40.91	408557	409089
wire	non noble metal	aluminium	7429-90-5	2.922	0.13	0.13	1323	1323
encapsulation	organic material	carbon black	1333-86-4	2.345	0.11		1062	
	plastics	epoxy resin	-	213.701	9.68		96779	
	inorganic material	silicondioxide	60676-86-0	916.075	41.48	51.27	414864	512705
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3612	3612
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	759	759
solder	non noble metal	antimony	7440-36-0	0.474	0.02		215	
	noble metal	silver	7440-22-4	1.185	0.05		536	
	non noble metal	tin	7440-31-5	3.080	0.14	0.21	1395	2146
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	65609	65695
*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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