



Material Content Data Sheet



Sales Product Name		IPA60R160C6		Issued		10. August 2016		
MA#		MA000973216						
Package		PG-TO220-3-111		Weight*		2261.64 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	9.747	0.43	0.43	4310	4310
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		304	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		91	
	non noble metal	copper	7440-50-8	686.221	30.34	30.38	303418	303813
wire	non noble metal	aluminium	7429-90-5	25.923	1.15	1.15	11462	11462
encapsulation	organic material	carbon black	1333-86-4	2.264	0.10		1001	
	plastics	epoxy resin	-	206.378	9.13		91252	
	inorganic material	silicondioxide	60676-86-0	884.748	39.11	48.34	391197	483451
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3511	3511
plating	non noble metal	nickel	7440-02-0	0.305	0.01		135	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	135
solder	non noble metal	antimony	7440-36-0	0.455	0.02		201	
	noble metal	silver	7440-22-4	1.136	0.05		502	
	non noble metal	tin	7440-31-5	2.955	0.13	0.20	1306	2009
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		191	
	inorganic material	phosphorus	7723-14-0	0.130	0.01		57	
	non noble metal	copper	7440-50-8	432.110	19.11	19.14	191061	191309
*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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com