



Material Content Data Sheet



Sales Product Name				IPA60R160P6		Issued		24. January 2018	
MA#				MA001029730					
Package				PG-TO220-3-111		Weight*		2261.96 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	4309	4309	
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	303376	303771	
wire	non noble metal	aluminium	7429-90-5	26.237	1.16	1.16	11599	11599	
encapsulation	organic material	carbon black	1333-86-4	2.264	0.10		1001		
	plastics	epoxy resin	-	206.378	9.12		91239		
	inorganic material	silicondioxide	60676-86-0	884.748	39.12	48.34	391143	483384	
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	19.10	19.13	191034	191282	
*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

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