



Material Content Data Sheet



Sales Product Name				IPA60R380P6		Issued		19. January 2018	
MA#				MA001727488					
Package				PG-TO220-3-111		Weight*		2250.06 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	4.522	0.20	0.20	2010	2010	
leadframe	inorganic material	phosphorus	7723-14-0	0.206	0.01		92		
	non noble metal	iron	7439-89-6	0.687	0.03		305		
	non noble metal	copper	7440-50-8	686.221	30.50	30.54	304979	305376	
	non noble metal	aluminium	7429-90-5	0.728	0.03	0.03	323	323	
wire	non noble metal	aluminium	7429-90-5	0.728	0.03	0.03	323	323	
encapsulation	organic material	carbon black	1333-86-4	2.239	0.10		995		
	plastics	epoxy resin	-	209.575	9.31		93142		
	inorganic material	silicondioxide	60676-86-0	902.355	40.11	49.52	401034	495171	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3530	3530	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.305	0.01	0.01	136	137	
solder	non noble metal	antimony	7440-36-0	0.261	0.01		116		
	noble metal	silver	7440-22-4	0.652	0.03		290		
	non noble metal	tin	7440-31-5	1.694	0.08	0.12	753	1159	
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		58		
	non noble metal	iron	7439-89-6	0.433	0.02		192		
	non noble metal	copper	7440-50-8	432.110	19.20	19.23	192044	192294	
*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