



Material Content Data Sheet



Sales Product Name				IPA60R380E6		Issued		27. July 2016	
MA#				MA000926892					
Package				PG-TO220-3-111		Weight*		2247.25 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	2012	2012	
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		306		
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92		
	non noble metal	copper	7440-50-8	686.221	30.54	30.58	305360	305758	
wire	non noble metal	aluminium	7429-90-5	7.076	0.31	0.31	3149	3149	
encapsulation	organic material	carbon black	1333-86-4	2.222	0.10		989		
	plastics	epoxy resin	-	207.873	9.25		92501		
	inorganic material	silicondioxide	60676-86-0	894.919	39.82	49.17	398226	491717	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3534	3534	
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	136	
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	754	1160	
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193		
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58		
	non noble metal	copper	7440-50-8	432.110	19.23	19.26	192283	192534	
*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