



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA60R380E6		<b>Issued</b>		26. September 2017		
<b>MA#</b>		MA001112192						
<b>Package</b>		PG-TO220-3-253		<b>Weight*</b>		2134.03 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	4.214	0.20	0.20	1975	1975
leadframe	non noble metal	iron	7439-89-6	1.431	0.07		670	
	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	copper	7440-50-8	1428.770	66.94	67.03	669518	670389
wire	non noble metal	aluminium	7429-90-5	0.787	0.04	0.04	369	369
encapsulation	organic material	carbon black	1333-86-4	3.364	0.16		1576	
	plastics	epoxy resin	-	131.188	6.15		61474	
	inorganic material	silicondioxide	60676-86-0	538.208	25.22	31.53	252203	315253
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10057	10057
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.241	0.01		113	
	noble metal	silver	7440-22-4	0.603	0.03		283	
	non noble metal	tin	7440-31-5	1.568	0.07	0.11	735	1131
*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.
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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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