



Material Content Data Sheet



Sales Product Name		IPA60R180P7		Issued		25. January 2018		
MA#		MA001609856						
Package		PG-TO220-3-317		Weight*		2124.87 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	4.174	0.20	0.20	1964	1964
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		170	
	non noble metal	iron	7439-89-6	1.202	0.06		566	
	non noble metal	copper	7440-50-8	1200.685	56.49	56.57	565062	565798
	non noble metal	aluminium	7429-90-5	2.957	0.14	0.14	1392	1392
wire	non noble metal	aluminium	7429-90-5	2.957	0.14	0.14	1392	1392
encapsulation	organic material	carbon black	1333-86-4	8.998	0.42		4235	
	plastics	epoxy resin	-	145.449	6.85		68451	
	inorganic material	silicondioxide	60676-86-0	750.657	35.33	42.60	353272	425958
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3713	3713
solder	non noble metal	antimony	7440-36-0	0.250	0.01		117	
	noble metal	silver	7440-22-4	0.624	0.03		294	
	non noble metal	tin	7440-31-5	1.623	0.08	0.12	764	1175
*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

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