



Material Content Data Sheet



Sales Product Name		IPA60R160P6		Issued		1. August 2018		
MA#		MA001642178						
Package		PG-TO220-3-313		Weight*		2250.15 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	4332	4332
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		120	
	non noble metal	iron	7439-89-6	0.903	0.04		401	
	non noble metal	copper	7440-50-8	902.149	40.09	40.14	400930	401451
	non noble metal	aluminium	7429-90-5	2.938	0.13	0.13	1306	1306
wire	non noble metal	aluminium	7429-90-5	2.938	0.13	0.13	1306	1306
encapsulation	organic material	carbon black	1333-86-4	2.424	0.11		1077	
	plastics	epoxy resin	-	221.687	9.85		98521	
	inorganic material	silicondioxide	60676-86-0	950.884	42.27	52.23	422589	522187
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3501	3501
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	736	736
solder	non noble metal	antimony	7440-36-0	0.455	0.02		202	
	noble metal	silver	7440-22-4	1.136	0.05		505	
	non noble metal	tin	7440-31-5	2.955	0.13	0.20	1313	2020
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		19	
	non noble metal	iron	7439-89-6	0.145	0.01		64	
	non noble metal	copper	7440-50-8	144.874	6.44	6.45	64384	64467
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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

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