



Material Content Data Sheet



Sales Product Name		IPA60R190E6		Issued		20. July 2018		
MA#		MA001688044						
Package		PG-TO220-3-313		Weight*		2238.31 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	8.148	0.36	0.36	3640	3640
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		121	
	non noble metal	iron	7439-89-6	0.903	0.04		404	
	non noble metal	copper	7440-50-8	902.149	40.30	40.35	403050	403575
	non noble metal	aluminium	7429-90-5	2.812	0.13	0.13	1256	1256
wire	non noble metal	aluminium	7429-90-5	2.812	0.13	0.13	1256	1256
encapsulation	organic material	carbon black	1333-86-4	2.376	0.11		1062	
	plastics	epoxy resin	-	219.594	9.81		98107	
	inorganic material	silicondioxide	60676-86-0	943.509	42.17	52.09	421528	520697
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3519	3519
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	740	740
solder	non noble metal	antimony	7440-36-0	0.395	0.02		176	
	noble metal	silver	7440-22-4	0.987	0.04		441	
	non noble metal	tin	7440-31-5	2.567	0.11	0.17	1147	1764
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		19	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.47	6.48	64725	64809
*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

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