



Material Content Data Sheet



Sales Product Name		IPA60R190E6		Issued		27. March 2015		
MA#		MA001307282						
Package		PG-TO220-3-312		Weight*		2058.24 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	0.40	0.40	3959	3959
leadframe	non noble metal	iron	7439-89-6	0.949	0.05		461	
	inorganic material	phosphorus	7723-14-0	0.285	0.01		138	
	non noble metal	copper	7440-50-8	947.445	46.03	46.09	460317	460918
wire	non noble metal	aluminium	7429-90-5	2.903	0.14	0.14	1411	1411
encapsulation	organic material	carbon black	1333-86-4	10.834	0.53		5264	
	plastics	epoxy resin	-	173.340	8.42		84218	
	inorganic material	silicondioxide	60676-86-0	899.200	43.69	52.64	436879	526361
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5390	5390
plating	non noble metal	copper	7440-50-8	0.083	0.00		40	
	non noble metal	iron	7439-89-6	0.000	0.00		1	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.00	1	40
solder	non noble metal	antimony	7440-36-0	0.395	0.02		192	
	noble metal	silver	7440-22-4	0.989	0.05		480	
	non noble metal	tin	7440-31-5	2.570	0.12	0.19	1249	1921
*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.

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