



Material Content Data Sheet



Sales Product Name		IPA80R450P7		Issued		25. January 2018		
MA#		MA001482196						
Package		PG-TO220-3-313		Weight*		2178.82 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	3.428	0.16	0.16	1573	1573
leadframe	non noble metal	iron	7439-89-6	1.048	0.05		481	
	inorganic material	phosphorus	7723-14-0	0.315	0.01		144	
	non noble metal	copper	7440-50-8	1047.023	48.06	48.12	480545	481173
wire	non noble metal	aluminium	7429-90-5	2.960	0.14	0.14	1358	1358
encapsulation	organic material	carbon black	1333-86-4	2.223	0.10		1020	
	plastics	epoxy resin	-	209.105	9.60		95972	
	inorganic material	silicondioxide	60676-86-0	901.017	41.35	51.05	413535	510527
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3615	3615
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	760	760
solder	non noble metal	antimony	7440-36-0	0.217	0.01		99	
	noble metal	silver	7440-22-4	0.542	0.02		249	
	non noble metal	tin	7440-31-5	1.408	0.06	0.09	646	994
heatspreader	non noble metal	copper	7440-50-8	0.000	0.00		1	
	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	0
*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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