



Material Content Data Sheet



Sales Product Name		IPA80R310CE		Issued		1. August 2018		
MA#		MA001621708						
Package		PG-TO220-3-312		Weight*		2047.85 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	12.969	0.63	0.63	6333	6333
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		139	
	non noble metal	iron	7439-89-6	0.949	0.05		463	
	non noble metal	copper	7440-50-8	947.445	46.26	46.32	462654	463256
	non noble metal	aluminium	7429-90-5	3.010	0.15	0.15	1470	1470
wire	non noble metal	aluminium	7429-90-5	3.010	0.15	0.15	1470	1470
encapsulation	organic material	carbon black	1333-86-4	16.238	0.79		7929	
	plastics	epoxy resin	-	176.929	8.64		86398	
	inorganic material	silicondioxide	60676-86-0	873.341	42.65	52.08	426468	520795
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5418	5418
solder	non noble metal	antimony	7440-36-0	0.559	0.03		273	
	noble metal	silver	7440-22-4	1.396	0.07		682	
	non noble metal	tin	7440-31-5	3.630	0.18	0.28	1773	2728
*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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