



Material Content Data Sheet



Sales Product Name		IPA50R650CE		Issued		4. July 2019			
MA#		MA001816480							
Package		PG-TO220-3-312		Weight*		2055.52 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	2.436	0.12	0.12	1185	1185	
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		138		
	non noble metal	iron	7439-89-6	0.949	0.05		462		
	non noble metal	copper	7440-50-8	947.445	46.09	46.15	460927	461527	
	non noble metal	aluminium	7429-90-5	0.803	0.04	0.04	391	391	
wire	non noble metal	aluminium	7429-90-5	0.803	0.04	0.04	391	391	
encapsulation	organic material	carbon black	1333-86-4	10.893	0.53		5299		
	plastics	epoxy resin	-	174.708	8.50		84995		
	inorganic material	silicondioxide	60676-86-0	905.186	44.04	53.07	440368	530662	
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5398	5398	
solder	non noble metal	antimony	7440-36-0	0.172	0.01		84		
	noble metal	silver	7440-22-4	0.430	0.02		209		
	non noble metal	tin	7440-31-5	1.118	0.05	0.08	544	837	
*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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