



Material Content Data Sheet



Sales Product Name		IPA50R380CE		Issued		4. July 2019		
MA#		MA001223616						
Package		PG-TO220-3-312		Weight*		2055.18 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	3.808	0.19	0.19	1853	1853
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	46.10	46.16	461003	461603
	non noble metal	aluminium	7429-90-5	0.838	0.04	0.04	408	408
wire	non noble metal	aluminium	7429-90-5	0.838	0.04	0.04	408	408
encapsulation	organic material	carbon black	1333-86-4	10.851	0.53		5280	
	plastics	epoxy resin	-	174.548	8.49		84931	
	inorganic material	silicondioxide	60676-86-0	903.044	43.94	52.96	439399	529610
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5398	5398
solder	non noble metal	antimony	7440-36-0	0.232	0.01		113	
	noble metal	silver	7440-22-4	0.579	0.03		282	
	non noble metal	tin	7440-31-5	1.506	0.07	0.11	733	1128
*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.
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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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