



## Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA50R380CE	Issued	24. June 2021
MA#	MA005551989		
Package	PG-TO220-3-312	Weight*	2055.38 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	46.09	46.15	460958	461558
wire	non noble metal	aluminium	7429-90-5	1.043	0.05	0.05	507	507
encapsulation	organic material	carbon black	1333-86-4	10.851	0.53		5279	
	plastics	epoxy resin	-	174.548	8.49		84923	
	inorganic material	silicondioxide	60676-86-0	903.044	43.94	52.96	439355	529557
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5398	5398
solder	non noble metal	antimony	7440-36-0	0.231	0.01		113	
	noble metal	silver	7440-22-4	0.579	0.03		282	
	non noble metal	tin	7440-31-5	1.504	0.07	0.11	732	1127
*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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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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