

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPA50R280CE	**Issued**	23. June 2021
MA#	MA005546689		
Package	PG-TO220-3-312	**Weight***	2055.42 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	4.825	0.23	0.23	2347	2347
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	460951	461551
wire	non noble metal	aluminium	7429-90-5	3.736	0.18	0.18	1817	1817
encapsulation	organic material	carbon black	1333-86-4	10.793	0.53		5251	
	plastics	epoxy resin	-	174.105	8.47		84705	
	inorganic material	silicondioxide	60676-86-0	899.454	43.76	52.76	437602	527558
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5398	5398
solder	non noble metal	antimony	7440-36-0	0.273	0.01		133	
	noble metal	silver	7440-22-4	0.683	0.03		332	
	non noble metal	tin	7440-31-5	1.776	0.09	0.13	864	1329
*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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