



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA80R450P7	<b>Issued</b>	12. April 2021
<b>MA#</b>	MA002112124		
<b>Package</b>	PG-TO220-3-253	<b>Weight*</b>	2134.54 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	3.428	0.16	0.16	1606	1606
leadframe	inorganic material	phosphorus	7723-14-0	0.429	0.02		201	
	non noble metal	iron	7439-89-6	1.431	0.07		670	
	non noble metal	copper	7440-50-8	1,428.770	66.92	67.01	669358	670229
wire	non noble metal	aluminium	7429-90-5	3.826	0.18	0.18	1793	1793
encapsulation	organic material	carbon black	1333-86-4	3.356	0.16		1572	
	plastics	epoxy resin	-	130.895	6.13		61323	
	inorganic material	silicondioxide	60676-86-0	537.007	25.16	31.45	251580	314475
leadfinish	non noble metal	tin	7440-31-5	21.462	1.01	1.01	10055	10055
plating	non noble metal	nickel	7440-02-0	1.764	0.08	0.08	826	826
solder	non noble metal	antimony	7440-36-0	0.217	0.01		102	
	noble metal	silver	7440-22-4	0.542	0.03		254	
	non noble metal	tin	7440-31-5	1.408	0.07	0.11	660	1016
*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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