



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPAN80R280P7	Issued	25. June 2021
MA#	MA005558486		
Package	PG-TO220-3-320	Weight*	2202.31 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	5.042	0.23	0.23	2289	2289
leadframe	inorganic material	phosphorus	7723-14-0	0.345	0.02		156	
	non noble metal	iron	7439-89-6	1.149	0.05		522	
	non noble metal	copper	7440-50-8	1,147.227	52.10	52.17	520919	521597
wire	non noble metal	aluminium	7429-90-5	0.974	0.04	0.04	442	442
encapsulation	organic material	carbon black	1333-86-4	10.324	0.47		4688	
	plastics	epoxy resin	-	166.640	7.57		75666	
	inorganic material	silicondioxide	60676-86-0	860.650	39.08	47.12	390793	471147
leadfinish	non noble metal	tin	7440-31-5	7.148	0.32	0.32	3246	3246
solder	non noble metal	antimony	7440-36-0	0.282	0.01		128	
	noble metal	silver	7440-22-4	0.704	0.03		320	
	non noble metal	tin	7440-31-5	1.830	0.08	0.12	831	1279
*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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