



## Material Content Data Sheet



Halogen-Free

Sales Product Name	IPAN80R280P7	Issued	02. June 2021
MA#	MA002107994		
Package	PG-TO220-3-318	Weight*	2124.91 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	0.24	0.24	2373	2373
leadframe	inorganic material	phosphorus	7723-14-0	0.322	0.02		152	
	non noble metal	iron	7439-89-6	1.075	0.05		506	
	non noble metal	copper	7440-50-8	1,073.304	50.51	50.58	505107	505765
wire	non noble metal	aluminium	7429-90-5	0.785	0.04	0.04	369	369
encapsulation	organic material	carbon black	1333-86-4	5.568	0.26		2620	
	inorganic material	zink oxide	1314-13-2	71.800	3.38		33790	
	plastics	epoxy resin	-	103.150	4.85		48543	
	inorganic material	silicondioxide	60676-86-0	853.977	40.19	48.68	401890	486843
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3326	3326
solder	non noble metal	antimony	7440-36-0	0.282	0.01		132	
	noble metal	silver	7440-22-4	0.704	0.03		331	
	non noble metal	tin	7440-31-5	1.830	0.09	0.13	861	1324
*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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