



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPAN70R450P7S	Issued	24. June 2021
MA#	MA001821708		
Package	PG-TO220-3-318	Weight*	2126.50 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	2.030	0.10	0.10	955	955
leadframe	inorganic material	phosphorus	7723-14-0	0.322	0.02		152	
	non noble metal	iron	7439-89-6	1.075	0.05		505	
	non noble metal	copper	7440-50-8	1,073.304	50.46	50.53	504728	505385
wire	non noble metal	aluminium	7429-90-5	0.808	0.04	0.04	380	380
encapsulation	organic material	carbon black	1333-86-4	5.333	0.25		2508	
	inorganic material	zink oxide	1314-13-2	72.621	3.42		34151	
	plastics	epoxy resin	-	100.451	4.72		47238	
	inorganic material	silicondioxide	60676-86-0	861.954	40.53	48.92	405339	489236
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3323	3323
solder	non noble metal	antimony	7440-36-0	0.153	0.01		72	
	noble metal	silver	7440-22-4	0.384	0.02		180	
	non noble metal	tin	7440-31-5	0.997	0.05	0.08	469	721
*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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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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com