



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPAN70R450P7S	Issued	25. June 2021
MA#	MA005558312		
Package	PG-TO220-3-319	Weight*	2202.86 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	0.09	0.09	921	921
leadframe	inorganic material	phosphorus	7723-14-0	0.345	0.02		156	
	non noble metal	iron	7439-89-6	1.149	0.05		521	
	non noble metal	copper	7440-50-8	1,147.227	52.07	52.14	520791	521468
wire	non noble metal	aluminium	7429-90-5	1.000	0.05	0.05	454	454
encapsulation	organic material	carbon black	1333-86-4	10.407	0.47		4724	
	plastics	epoxy resin	-	166.995	7.58		75808	
	inorganic material	silicon dioxide	60676-86-0	865.025	39.27	47.32	392683	473215
leadfinish	non noble metal	tin	7440-31-5	7.148	0.32	0.32	3245	3245
solder	non noble metal	antimony	7440-36-0	0.153	0.01		70	
	noble metal	silver	7440-22-4	0.384	0.02		174	
	non noble metal	tin	7440-31-5	0.997	0.05	0.08	453	697
*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.

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