



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPAN60R180P7S	Issued	25. June 2021
MA#	MA005558252		
Package	PG-TO220-3-319	Weight*	2202.52 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	4.174	0.19	0.19	1895	1895
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	52.09	52.16	520871	521549
wire	non noble metal	aluminium	7429-90-5	3.771	0.17	0.17	1712	1712
encapsulation	organic material	carbon black	1333-86-4	10.309	0.47		4681	
	plastics	epoxy resin	-	166.426	7.56		75562	
	inorganic material	silicondioxide	60676-86-0	859.476	39.02	47.05	390224	470467
leadfinish	non noble metal	tin	7440-31-5	7.148	0.32	0.32	3245	3245
solder	non noble metal	antimony	7440-36-0	0.249	0.01		113	
	noble metal	silver	7440-22-4	0.623	0.03		283	
	non noble metal	tin	7440-31-5	1.621	0.07	0.11	736	1132
*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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