



## Material Content Data Sheet



<b>Sales Product Name</b>		IPAN70R450P7S		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA002614116						
<b>Package</b>		PG-TO220-3-319		<b>Weight*</b>		2202.82 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	922	922
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	1147.227	52.07	52.14	520799	521476
	non noble metal	aluminium	7429-90-5	0.803	0.04	0.04	365	365
wire	non noble metal	aluminium	7429-90-5	0.803	0.04	0.04	365	365
encapsulation	organic material	carbon black	1333-86-4	10.412	0.47		4727	
	plastics	epoxy resin	-	166.980	7.58		75803	
	inorganic material	silicondioxide	60676-86-0	865.190	39.28	47.33	392765	473295
leadfinish	non noble metal	tin	7440-31-5	7.148	0.32	0.32	3245	3245
solder	non noble metal	antimony	7440-36-0	0.154	0.01		70	
	noble metal	silver	7440-22-4	0.384	0.02		174	
	non noble metal	tin	7440-31-5	0.999	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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