



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPAN70R900P7S	<b>Issued</b>	12. May 2021
<b>MA#</b>	MA001821710		
<b>Package</b>	PG-TO220-3-318	<b>Weight*</b>	2126.93 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	1.203	0.06	0.06	566	566
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	50.45	50.52	504625	505282
wire	non noble metal	aluminium	7429-90-5	0.260	0.01	0.01	122	122
encapsulation	organic material	carbon black	1333-86-4	5.268	0.25		2477	
	inorganic material	zink oxide	1314-13-2	72.897	3.43		34273	
	plastics	epoxy resin	-	99.720	4.69		46884	
	inorganic material	silicondioxide	60676-86-0	864.709	40.66	49.03	406552	490186
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3323	3323
solder	non noble metal	antimony	7440-36-0	0.111	0.01		52	
	noble metal	silver	7440-22-4	0.277	0.01		130	
	non noble metal	tin	7440-31-5	0.721	0.03	0.05	339	521
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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