



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPAN50R500CE	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005558235		
<b>Package</b>	PG-TO220-3-319	<b>Weight*</b>	2203.09 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	2.939	0.13	0.13	1334	1334
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	52.08	52.15	520736	521413
wire	non noble metal	aluminium	7429-90-5	1.007	0.05	0.05	457	457
encapsulation	organic material	carbon black	1333-86-4	10.394	0.47		4718	
	plastics	epoxy resin	-	166.850	7.57		75734	
	inorganic material	silicondioxide	60676-86-0	864.091	39.22	47.26	392218	472670
leadfinish	non noble metal	tin	7440-31-5	7.148	0.32	0.32	3245	3245
solder	non noble metal	antimony	7440-36-0	0.194	0.01		88	
	noble metal	silver	7440-22-4	0.485	0.02		220	
	non noble metal	tin	7440-31-5	1.262	0.06	0.09	573	881
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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