



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPAN60R600P7S	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005558284		
<b>Package</b>	PG-TO220-3-319	<b>Weight*</b>	2202.94 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	1.664	0.08	0.08	756	756
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	520772	521449
wire	non noble metal	aluminium	7429-90-5	0.972	0.04	0.04	441	441
encapsulation	organic material	carbon black	1333-86-4	10.419	0.47		4729	
	plastics	epoxy resin	-	167.039	7.58		75826	
	inorganic material	silicondioxide	60676-86-0	865.621	39.29	47.34	392940	473495
leadfinish	non noble metal	tin	7440-31-5	7.148	0.32	0.32	3245	3245
solder	non noble metal	antimony	7440-36-0	0.135	0.01		61	
	noble metal	silver	7440-22-4	0.338	0.02		154	
	non noble metal	tin	7440-31-5	0.879	0.04	0.07	399	614
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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