



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPAN60R360P7S	<b>Issued</b>	13. April 2021
<b>MA#</b>	MA003512266		
<b>Package</b>	PG-TO220-3-318	<b>Weight*</b>	2126.79 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	2.321	0.11	0.11	1091	1091
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	50.46	50.53	504661	505318
wire	non noble metal	aluminium	7429-90-5	0.792	0.04	0.04	372	372
encapsulation	organic material	carbon black	1333-86-4	5.315	0.25		2499	
	inorganic material	zink oxide	1314-13-2	72.639	3.42		34154	
	plastics	epoxy resin	-	100.232	4.71		47128	
	inorganic material	silicondioxide	60676-86-0	862.053	40.53	48.91	405332	489113
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3323	3323
solder	non noble metal	antimony	7440-36-0	0.167	0.01		78	
	noble metal	silver	7440-22-4	0.416	0.02		196	
	non noble metal	tin	7440-31-5	1.083	0.05	0.08	509	783
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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