



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA50R250CP	<b>Issued</b>	04. April 2021
<b>MA#</b>	MA001509882		
<b>Package</b>	PG-TO220-3-317	<b>Weight*</b>	2104.61 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	7.183	0.34	0.34	3413	3413
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		571	
	non noble metal	copper	7440-50-8	1,200.685	57.05	57.13	570504	571246
wire	non noble metal	aluminium	7429-90-5	3.741	0.18	0.18	1777	1777
encapsulation	organic material	carbon black	1333-86-4	8.718	0.41		4142	
	plastics	epoxy resin	-	141.760	6.74		67357	
	inorganic material	silicondioxide	60676-86-0	729.443	34.66	41.81	346594	418093
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3748	3748
solder	non noble metal	antimony	7440-36-0	0.362	0.02		172	
	noble metal	silver	7440-22-4	0.906	0.04		431	
	non noble metal	tin	7440-31-5	2.356	0.11	0.17	1120	1723
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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