



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP80R600P7	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005565367		
<b>Package</b>	PG-TO220-3-321	<b>Weight*</b>	1922.83 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	2.570	0.13	0.13	1336	1336
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		757	
	non noble metal	copper	7440-50-8	1,452.764	75.54	75.64	755535	756519
wire	non noble metal	aluminium	7429-90-5	1.860	0.10	0.10	968	968
encapsulation	organic material	carbon black	1333-86-4	2.272	0.12		1182	
	inorganic material	zinc borate	-	43.176	2.25		22455	
	plastics	epoxy resin	-	90.897	4.73		47273	
	inorganic material	silicondioxide	60676-86-0	318.140	16.55	23.65	165454	236364
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3922	3922
solder	non noble metal	antimony	7440-36-0	0.171	0.01		89	
	noble metal	silver	7440-22-4	0.428	0.02		223	
	non noble metal	tin	7440-31-5	1.113	0.06	0.09	579	891
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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