



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP60R190E6	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005564310		
<b>Package</b>	PG-TO220-3-321	<b>Weight*</b>	1925.94 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	8.148	0.42	0.42	4230	4230
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		755	
	non noble metal	copper	7440-50-8	1,452.764	75.43	75.53	754314	755296
wire	non noble metal	aluminium	7429-90-5	3.184	0.17	0.17	1653	1653
encapsulation	organic material	carbon black	1333-86-4	2.242	0.12		1164	
	inorganic material	zinc borate	-	42.604	2.21		22121	
	plastics	epoxy resin	-	89.692	4.66		46571	
	inorganic material	silicondioxide	60676-86-0	313.923	16.30	23.29	162998	232854
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3916	3916
solder	non noble metal	antimony	7440-36-0	0.395	0.02		205	
	noble metal	silver	7440-22-4	0.987	0.05		513	
	non noble metal	tin	7440-31-5	2.567	0.13	0.20	1333	2051
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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