



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP50R399CP	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005564324		
<b>Package</b>	PG-TO220-3-321	<b>Weight*</b>	1923.74 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	4.846	0.25	0.25	2519	2519
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		756	
	non noble metal	copper	7440-50-8	1,452.764	75.51	75.61	755176	756159
wire	non noble metal	aluminium	7429-90-5	0.903	0.05	0.05	469	469
encapsulation	organic material	carbon black	1333-86-4	2.265	0.12		1178	
	inorganic material	zinc borate	-	43.040	2.24		22373	
	plastics	epoxy resin	-	90.611	4.71		47101	
	inorganic material	silicondioxide	60676-86-0	317.137	16.49	23.56	164855	235507
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3920	3920
solder	non noble metal	antimony	7440-36-0	0.274	0.01		143	
	noble metal	silver	7440-22-4	0.686	0.04		356	
	non noble metal	tin	7440-31-5	1.783	0.09	0.14	927	1426
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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