



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP65R225C7	<b>Issued</b>	18. August 2021
<b>MA#</b>	MA005570062		
<b>Package</b>	PG-TO220-3-321	<b>Weight*</b>	1923.81 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	3.621	0.19	0.19	1882	1882
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	75.50	75.60	755151	756134
wire	non noble metal	aluminium	7429-90-5	3.138	0.16	0.16	1631	1631
encapsulation	organic material	carbon black	1333-86-4	2.263	0.12		1176	
	inorganic material	zinc borate	-	42.997	2.24		22350	
	plastics	epoxy resin	-	90.520	4.71		47052	
	inorganic material	silicondioxide	60676-86-0	316.819	16.47	23.54	164683	235261
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3920	3920
solder	non noble metal	antimony	7440-36-0	0.226	0.01		117	
	noble metal	silver	7440-22-4	0.564	0.03		293	
	non noble metal	tin	7440-31-5	1.466	0.08	0.12	762	1172
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com