



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP60R299CP	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005564697		
<b>Package</b>	PG-TO220-3-321	<b>Weight*</b>	1924.69 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	6.215	0.32	0.32	3229	3229
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	75.47	75.57	754804	755787
wire	non noble metal	aluminium	7429-90-5	1.878	0.10	0.10	976	976
encapsulation	organic material	carbon black	1333-86-4	2.256	0.12		1172	
	inorganic material	zinc borate	-	42.856	2.23		22267	
	plastics	epoxy resin	-	90.224	4.69		46877	
	inorganic material	silicondioxide	60676-86-0	315.784	16.41	23.45	164070	234386
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3918	3918
solder	non noble metal	antimony	7440-36-0	0.328	0.02		170	
	noble metal	silver	7440-22-4	0.820	0.04		426	
	non noble metal	tin	7440-31-5	2.132	0.11	0.17	1108	1704
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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.

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