



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPA60R299CP	<b>Issued</b>	24. June 2021
<b>MA#</b>	MA005549331		
<b>Package</b>	PG-TO220-3-317	<b>Weight*</b>	2104.25 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	0.30	0.30	2953	2953
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		571	
	non noble metal	copper	7440-50-8	1,200.685	57.05	57.13	570601	571343
wire	non noble metal	aluminium	7429-90-5	2.154	0.10	0.10	1024	1024
encapsulation	organic material	carbon black	1333-86-4	8.749	0.42		4158	
	plastics	epoxy resin	-	142.104	6.75		67532	
	inorganic material	silicondioxide	60676-86-0	731.608	34.77	41.94	347682	419372
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3749	3749
solder	non noble metal	antimony	7440-36-0	0.328	0.02		156	
	noble metal	silver	7440-22-4	0.820	0.04		390	
	non noble metal	tin	7440-31-5	2.132	0.10	0.16	1013	1559
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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