



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP60R360CFD7	<b>Issued</b>	11. August 2021
<b>MA#</b>	MA005416381		
<b>Package</b>	PG-TO220-3-123	<b>Weight*</b>	2025.79 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	2.444	0.12	0.12	1206	1206
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.23	40.28	402479	403003
wire	non noble metal	aluminium	7429-90-5	2.227	0.11	0.11	1099	1099
encapsulation	organic material	carbon black	1333-86-4	2.358	0.12		1164	
	plastics	epoxy resin	-	68.386	3.38		33758	
	inorganic material	silicondioxide	60676-86-0	518.792	25.61	29.11	256094	291016
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10595	10595
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	871	871
solder	non noble metal	antimony	7440-36-0	0.172	0.01		85	
	noble metal	silver	7440-22-4	0.431	0.02		213	
	non noble metal	tin	7440-31-5	1.120	0.06	0.09	553	851
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.10	29.14	290981	291359
*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