

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP65R420CFD	**Issued**	06. April 2021
MA#	MA002262358		
Package	PG-TO220-3-123	**Weight***	2027.36 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	4.901	0.24	0.24	2417	2417
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	40.21	40.26	402167	402691
wire	non noble metal	aluminium	7429-90-5	3.320	0.16	0.16	1638	1638
encapsulation	organic material	carbon black	1333-86-4	2.346	0.12		1157	
	plastics	epoxy resin	-	68.035	3.36		33558	
	inorganic material	silicondioxide	60676-86-0	516.128	25.46	28.94	254581	289296
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10586	10586
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.277	0.01		137	
	noble metal	silver	7440-22-4	0.693	0.03		342	
	non noble metal	tin	7440-31-5	1.801	0.09	0.13	889	1368
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	29.08	29.12	290756	291134
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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