



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP65R150CFD	Issued	07. April 2021
MA#	MA001701932		
Package	PG-TO220-3-123	Weight*	2030.35 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	11.566	0.57	0.57	5696	5696
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.15	40.20	401573	402096
wire	non noble metal	aluminium	7429-90-5	3.080	0.15	0.15	1517	1517
encapsulation	organic material	carbon black	1333-86-4	2.323	0.11		1144	
	plastics	epoxy resin	-	67.356	3.32		33174	
	inorganic material	silicondioxide	60676-86-0	510.974	25.17	28.60	251668	285986
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10571	10571
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869
solder	non noble metal	antimony	7440-36-0	0.520	0.03		256	
	noble metal	silver	7440-22-4	1.299	0.06		640	
	non noble metal	tin	7440-31-5	3.378	0.17	0.26	1664	2560
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	29.03	29.07	290327	290705
*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