

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP65R190CFD	**Issued**	06. April 2021
MA#	MA002262362		
Package	PG-TO220-3-123	**Weight***	2029.41 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	9.459	0.47	0.47	4661	4661
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	40.17	40.22	401760	402283
wire	non noble metal	aluminium	7429-90-5	3.169	0.16	0.16	1562	1562
encapsulation	organic material	carbon black	1333-86-4	2.330	0.11		1148	
	plastics	epoxy resin	-	67.569	3.33		33295	
	inorganic material	silicondioxide	60676-86-0	512.595	25.26	28.70	252583	287026
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10576	10576
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	869	869
solder	non noble metal	antimony	7440-36-0	0.443	0.02		218	
	noble metal	silver	7440-22-4	1.108	0.05		546	
	non noble metal	tin	7440-31-5	2.880	0.14	0.21	1419	2183
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	29.05	29.09	290462	290840
*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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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.

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