

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP50R190CE	**Issued**	05. April 2021
MA#	MA001809766		
Package	PG-TO220-3-123	**Weight***	2028.19 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	6.706	0.33	0.33	3306	3306
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	40.19	40.24	402000	402524
wire	non noble metal	aluminium	7429-90-5	3.295	0.16	0.16	1624	1624
encapsulation	organic material	carbon black	1333-86-4	2.340	0.12		1154	
	plastics	epoxy resin	-	67.847	3.35		33452	
	inorganic material	silicondioxide	60676-86-0	514.704	25.38	28.85	253775	288381
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10582	10582
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.344	0.02		170	
	noble metal	silver	7440-22-4	0.861	0.04		425	
	non noble metal	tin	7440-31-5	2.239	0.11	0.17	1104	1699
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	29.06	29.10	290636	291014
*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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