



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPP50R399CP	<b>Issued</b>	14. April 2021
<b>MA#</b>	MA005403141		
<b>Package</b>	PG-TO220-3-123	<b>Weight*</b>	2035.73 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	4.846	0.24	0.24	2380	2380
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		401	
	non noble metal	copper	7440-50-8	815.335	40.04	40.09	400513	401034
wire	non noble metal	aluminium	7429-90-5	0.719	0.04	0.04	353	353
encapsulation	organic material	carbon black	1333-86-4	2.988	0.15		1468	
	miscellaneous	miscellaneous	-	2.988	0.15		1468	
	organic material	phenol formaldehyde resin	9003-35-4	35.854	1.76		17612	
	inorganic material	silicondioxide	14808-60-7	47.805	2.35		23483	
	non noble metal	metal hydroxide	-	47.805	2.35		23483	
	plastics	epoxy resin	29690-82-2	71.708	3.52		35225	
	inorganic material	silicondioxide	60676-86-0	388.418	19.08	29.36	190800	293539
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10543	10543
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	866	866
solder	non noble metal	antimony	7440-36-0	0.274	0.01		135	
	noble metal	silver	7440-22-4	0.686	0.03		337	
	non noble metal	tin	7440-31-5	1.783	0.09	0.13	876	1348
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		290	
	non noble metal	copper	7440-50-8	589.466	28.96	29.00	289560	289937
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com