

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP50R399CP	**Issued**	14. March 2021
MA#	MA001109752		
Package	PG-TO220-3-123	**Weight***	2026.44 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	2391	2391
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	40.22	40.27	402349	402873
wire	non noble metal	aluminium	7429-90-5	0.719	0.04	0.04	355	355
encapsulation	organic material	carbon black	1333-86-4	2.353	0.12		1161	
	plastics	epoxy resin	-	68.240	3.37		33675	
	inorganic material	silicondioxide	60676-86-0	517.684	25.55	29.04	255465	290301
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10591	10591
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.274	0.01		135	
	noble metal	silver	7440-22-4	0.686	0.03		338	
	non noble metal	tin	7440-31-5	1.783	0.09	0.13	880	1353
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	29.09	29.13	290888	291266
*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.
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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.

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