

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP60R199CP	**Issued**	16. May 2021
MA#	MA005404812		
Package	PG-TO220-3-123	**Weight***	2038.35 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	8.809	0.43	0.43	4322	4322
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	40.01	40.06	399996	400517
wire	non noble metal	aluminium	7429-90-5	3.301	0.16	0.16	1619	1619
encapsulation	organic material	carbon black	1333-86-4	2.961	0.15		1453	
	miscellaneous	miscellaneous	-	2.961	0.15		1453	
	organic material	phenol formaldehyde resin	9003-35-4	35.532	1.74		17431	
	inorganic material	silicondioxide	14808-60-7	47.375	2.32		23242	
	non noble metal	metal hydroxide	-	47.375	2.32		23242	
	plastics	epoxy resin	29690-82-2	71.063	3.49		34863	
	inorganic material	silicondioxide	60676-86-0	384.925	18.88	29.05	188841	290525
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10529	10529
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	865	865
solder	non noble metal	antimony	7440-36-0	0.420	0.02		206	
	noble metal	silver	7440-22-4	1.049	0.05		515	
	non noble metal	tin	7440-31-5	2.727	0.13	0.20	1338	2059
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	28.92	28.96	289187	289564
*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