

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP04CN10N G	**Issued**	30. March 2021
MA#	MA001279360		
Package	PG-TO220-3-1	**Weight***	2040.41 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	17.562	0.86	0.86	8607	8607
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		120	
	non noble metal	iron	7439-89-6	0.816	0.04		400	
	non noble metal	copper	7440-50-8	815.335	39.95	40.00	399593	400113
wire	non noble metal	aluminium	7429-90-5	11.998	0.59	0.59	5880	5880
encapsulation	organic material	carbon black	1333-86-4	5.753	0.28		2820	
	plastics	epoxy resin	-	109.311	5.36		53573	
	inorganic material	silicondioxide	60676-86-0	460.255	22.56	28.20	225569	281962
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10519	10519
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121
solder	non noble metal	antimony	7440-36-0	0.719	0.04		353	
	noble metal	silver	7440-22-4	1.799	0.09		882	
	non noble metal	tin	7440-31-5	4.676	0.23	0.36	2292	3527
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		289	
	non noble metal	copper	7440-50-8	589.466	28.89	28.93	288895	289271
*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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