



Material Content Data Sheet



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.
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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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