

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP120N10S4-05	**Issued**	24. February 2022
MA#	MA005708903		
Package	PG-TO220-3-1	**Weight***	2039.80 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	5.851	0.29	0.29	2868	2868
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	39.96	40.01	399712	400232
wire	non noble metal	aluminium	7429-90-5	12.984	0.64	0.64	6365	6365
encapsulation	inorganic material	zincoxide	1314-13-2	5.884	0.29		2884	
	miscellaneous	miscellaneous	-	23.534	1.15		11537	
	plastics	epoxy resin	-	88.253	4.33		43266	
	inorganic material	silicondioxide	60676-86-0	470.683	23.08	28.85	230750	288437
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10522	10522
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	tin	7440-31-5	0.086			42	
	noble metal	silver	7440-22-4	0.107	0.01		52	
	non noble metal	lead	7439-92-1	4.083	0.20	0.21	2002	2096
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	28.90	28.94	288983	289359
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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