

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPP120P04P4L-03	**Issued**	14. May 2021
MA#	MA003013988		
Package	PG-TO220-3-1	**Weight***	2039.66 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	5.301	0.26	0.26	2599	2599
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	39.98	40.03	399740	400260
wire	non noble metal	aluminium	7429-90-5	13.740	0.67	0.67	6737	6737
encapsulation	inorganic material	zincoxide	1314-13-2	5.883	0.29		2884	
	miscellaneous	miscellaneous	-	23.533	1.15		11538	
	plastics	epoxy resin	-	88.249	4.33		43266	
	inorganic material	silicondioxide	60676-86-0	470.659	23.08	28.85	230754	288442
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10523	10523
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	0.079			39	
	noble metal	silver	7440-22-4	0.099			48	
	non noble metal	lead	7439-92-1	3.779	0.19	0.19	1853	1940
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	289002	289378
*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.

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