



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP023NE7N3 G	Issued	02. April 2021
MA#	MA001281796		
Package	PG-TO220-3-123	Weight*	2033.53 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	12.294	0.60	0.60	6046	6046
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	40.08	40.13	400946	401467
wire	non noble metal	aluminium	7429-90-5	12.735	0.63	0.63	6262	6262
encapsulation	organic material	carbon black	1333-86-4	2.293	0.11		1128	
	plastics	epoxy resin	-	66.492	3.27		32698	
	inorganic material	silicondioxide	60676-86-0	504.422	24.81	28.19	248054	281880
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10554	10554
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	867	867
solder	non noble metal	antimony	7440-36-0	0.543	0.03		267	
	noble metal	silver	7440-22-4	1.359	0.07		668	
	non noble metal	tin	7440-31-5	3.533	0.17	0.27	1737	2672
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	28.99	29.03	289875	290252
*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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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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