



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPP034NE7N3 G	Issued	16. May 2021
MA#	MA005403396		
Package	PG-TO220-3-123	Weight*	2039.81 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	7.048	0.35	0.35	3455	3455
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	39.97	40.02	399710	400230
wire	non noble metal	aluminium	7429-90-5	11.278	0.55	0.55	5529	5529
encapsulation	organic material	carbon black	1333-86-4	2.941	0.14		1442	
	miscellaneous	miscellaneous	-	2.941	0.14		1442	
	organic material	phenol formaldehyde resin	9003-35-4	35.287	1.73		17299	
	inorganic material	silicondioxide	14808-60-7	47.049	2.31		23066	
	non noble metal	metal hydroxide	-	47.049	2.31		23066	
	plastics	epoxy resin	29690-82-2	70.574	3.46		34598	
	inorganic material	silicondioxide	60676-86-0	382.276	18.74	28.83	187407	288320
leadfinish	non noble metal	tin	7440-31-5	21.462	1.05	1.05	10522	10522
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	865	865
solder	non noble metal	antimony	7440-36-0	0.352	0.02		172	
	noble metal	silver	7440-22-4	0.879	0.04		431	
	non noble metal	tin	7440-31-5	2.285	0.11	0.17	1120	1723
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	288980	289356
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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.

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