



Material Content Data Sheet



Halogen-Free

Sales Product Name	SPP04N60C3	Issued	25. June 2021
MA#	MA005563237		
Package	PG-TO220-3-321	Weight*	1922.95 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	3.279	0.17	0.17	1705	1705
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		227	
	non noble metal	iron	7439-89-6	1.455	0.08		756	
	non noble metal	copper	7440-50-8	1,452.764	75.54	75.64	755485	756468
wire	non noble metal	aluminium	7429-90-5	0.893	0.05	0.05	464	464
encapsulation	organic material	carbon black	1333-86-4	2.272	0.12		1182	
	inorganic material	zinc borate	-	43.177	2.25		22454	
	plastics	epoxy resin	-	90.900	4.73		47271	
	inorganic material	silicondioxide	60676-86-0	318.149	16.54	23.64	165448	236355
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3922	3922
solder	non noble metal	antimony	7440-36-0	0.209	0.01		109	
	noble metal	silver	7440-22-4	0.522	0.03		271	
	non noble metal	tin	7440-31-5	1.357	0.07	0.11	706	1086
*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 does not use any exemption.

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