



Material Content Data Sheet



Halogen-Free

Sales Product Name	SPP17N80C3	Issued	25. June 2021
MA#	MA005562898		
Package	PG-TO220-3-321	Weight*	1928.08 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	12.969	0.67	0.67	6727	6727
leadframe	inorganic material	phosphorus	7723-14-0	0.436	0.02		226	
	non noble metal	iron	7439-89-6	1.455	0.08		754	
	non noble metal	copper	7440-50-8	1,452.764	75.34	75.44	753476	754456
wire	non noble metal	aluminium	7429-90-5	3.257	0.17	0.17	1689	1689
encapsulation	organic material	carbon black	1333-86-4	2.220	0.12		1152	
	inorganic material	zinc borate	-	42.188	2.19		21881	
	plastics	epoxy resin	-	88.816	4.61		46065	
	inorganic material	silicondioxide	60676-86-0	310.857	16.12	23.04	161226	230324
leadfinish	non noble metal	tin	7440-31-5	7.542	0.39	0.39	3912	3912
solder	non noble metal	antimony	7440-36-0	0.558	0.03		289	
	noble metal	silver	7440-22-4	1.395	0.07		723	
	non noble metal	tin	7440-31-5	3.626	0.19	0.29	1880	2892
*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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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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