

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPP06N80C3	**Issued**	21. March 2021
MA#	MA000870990		
Package	PG-TO220-3-123	**Weight***	2026.49 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	4.945	0.24	0.24	2440	2440
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		403	
	non noble metal	copper	7440-50-8	815.335	40.23	40.28	402339	402863
wire	non noble metal	aluminium	7429-90-5	0.722	0.04	0.04	356	356
encapsulation	organic material	carbon black	1333-86-4	2.353	0.12		1161	
	plastics	epoxy resin	-	68.229	3.37		33669	
	inorganic material	silicondioxide	60676-86-0	517.602	25.54	29.03	255418	290248
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10591	10591
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	870	870
solder	non noble metal	antimony	7440-36-0	0.278	0.01		137	
	noble metal	silver	7440-22-4	0.696	0.03		343	
	non noble metal	tin	7440-31-5	1.809	0.09	0.13	893	1373
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	iron	7439-89-6	0.590	0.03		291	
	non noble metal	copper	7440-50-8	589.466	29.09	29.13	290881	291259
*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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