

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPP17N80C3	**Issued**	31. March 2021
MA#	MA001114474		
Package	PG-TO220-3-123	**Weight***	2030.94 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	0.64	0.64	6386	6386
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121	
	non noble metal	iron	7439-89-6	0.816	0.04		402	
	non noble metal	copper	7440-50-8	815.335	40.14	40.19	401455	401978
wire	non noble metal	aluminium	7429-90-5	3.213	0.16	0.16	1582	1582
encapsulation	organic material	carbon black	1333-86-4	2.317	0.11		1141	
	plastics	epoxy resin	-	67.201	3.31		33089	
	inorganic material	silicondioxide	60676-86-0	509.802	25.10	28.52	251017	285247
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10568	10568
plating	non noble metal	nickel	7440-02-0	1.764	0.09	0.09	868	868
solder	non noble metal	antimony	7440-36-0	0.559	0.03		275	
	noble metal	silver	7440-22-4	1.396	0.07		688	
	non noble metal	tin	7440-31-5	3.630	0.18	0.28	1788	2751
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	29.02	29.06	290242	290620
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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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